

```
[cloudera@quickstart ~]$ pig
```

```
log4j:WARN No appenders could be found for logger  
(org.apache.hadoop.util.Shell).
```

```
log4j:WARN Please initialize the log4j system properly.
```

```
log4j:WARN See http://logging.apache.org/log4j/1.2/faq.html#noconfig for  
more info.
```

```
2025-09-22 23:39:17,158 [main] INFO org.apache.pig.Main - Apache Pig  
version 0.12.0-cdh5.4.2 (rexported) compiled May 19 2015, 17:03:41
```

```
2025-09-22 23:39:17,163 [main] INFO org.apache.pig.Main - Logging error  
messages to: /home/cloudera/pig_1758609557068.log
```

```
2025-09-22 23:39:17,262 [main] INFO org.apache.pig.impl.util.Utils -  
Default bootup file /home/cloudera/.pigbootup not found
```

```
2025-09-22 23:39:18,251 [main] INFO
```

```
org.apache.hadoop.conf.Configuration.deprecation - mapred.job.tracker is  
deprecated. Instead, use mapreduce.jobtracker.address
```

```
2025-09-22 23:39:18,251 [main] INFO
```

```
org.apache.hadoop.conf.Configuration.deprecation - fs.default.name is  
deprecated. Instead, use fs.defaultFS
```

```
2025-09-22 23:39:18,251 [main] INFO
```

```
org.apache.pig.backend.hadoop.executionengine.HExecutionEngine - Connecting  
to hadoop file system at: hdfs://quickstart.cloudera:8020
```

```
2025-09-22 23:39:21,143 [main] INFO
```

```
org.apache.hadoop.conf.Configuration.deprecation - mapred.job.tracker is  
deprecated. Instead, use mapreduce.jobtracker.address
```

```
2025-09-22 23:39:21,143 [main] INFO
```

```
org.apache.pig.backend.hadoop.executionengine.HExecutionEngine - Connecting  
to map-reduce job tracker at: localhost:8021
```

```
2025-09-22 23:39:21,145 [main] INFO
```

```
org.apache.hadoop.conf.Configuration.deprecation - fs.default.name is  
deprecated. Instead, use fs.defaultFS
```

```
2025-09-22 23:39:21,247 [main] INFO
```

```
org.apache.hadoop.conf.Configuration.deprecation - fs.default.name is  
deprecated. Instead, use fs.defaultFS
```

```
2025-09-22 23:39:21,248 [main] INFO
```

```
org.apache.hadoop.conf.Configuration.deprecation - mapred.job.tracker is  
deprecated. Instead, use mapreduce.jobtracker.address
```

```
2025-09-22 23:39:21,510 [main] INFO
```

```
org.apache.hadoop.conf.Configuration.deprecation - fs.default.name is  
deprecated. Instead, use fs.defaultFS
```

```
2025-09-22 23:39:21,513 [main] INFO
```

```
org.apache.hadoop.conf.Configuration.deprecation - mapred.job.tracker is
```

```
deprecated. Instead, use mapreduce.jobtracker.address
2025-09-22 23:39:21,586 [main] INFO
org.apache.hadoop.conf.Configuration.deprecation - fs.default.name is
deprecated. Instead, use fs.defaultFS
2025-09-22 23:39:21,589 [main] INFO
org.apache.hadoop.conf.Configuration.deprecation - mapred.job.tracker is
deprecated. Instead, use mapreduce.jobtracker.address
2025-09-22 23:39:21,676 [main] INFO
org.apache.hadoop.conf.Configuration.deprecation - fs.default.name is
deprecated. Instead, use fs.defaultFS
2025-09-22 23:39:21,676 [main] INFO
org.apache.hadoop.conf.Configuration.deprecation - mapred.job.tracker is
deprecated. Instead, use mapreduce.jobtracker.address
2025-09-22 23:39:21,721 [main] INFO
org.apache.hadoop.conf.Configuration.deprecation - fs.default.name is
deprecated. Instead, use fs.defaultFS
2025-09-22 23:39:21,722 [main] INFO
org.apache.hadoop.conf.Configuration.deprecation - mapred.job.tracker is
deprecated. Instead, use mapreduce.jobtracker.address
2025-09-22 23:39:21,762 [main] INFO
org.apache.hadoop.conf.Configuration.deprecation - fs.default.name is
deprecated. Instead, use fs.defaultFS
2025-09-22 23:39:21,762 [main] INFO
org.apache.hadoop.conf.Configuration.deprecation - mapred.job.tracker is
deprecated. Instead, use mapreduce.jobtracker.address
2025-09-22 23:39:21,800 [main] INFO
org.apache.hadoop.conf.Configuration.deprecation - fs.default.name is
deprecated. Instead, use fs.defaultFS
2025-09-22 23:39:21,801 [main] INFO
org.apache.hadoop.conf.Configuration.deprecation - mapred.job.tracker is
deprecated. Instead, use mapreduce.jobtracker.address
2025-09-22 23:39:21,835 [main] INFO
org.apache.hadoop.conf.Configuration.deprecation - fs.default.name is
deprecated. Instead, use fs.defaultFS
2025-09-22 23:39:21,836 [main] INFO
org.apache.hadoop.conf.Configuration.deprecation - mapred.job.tracker is
deprecated. Instead, use mapreduce.jobtracker.address
grunt> -- Load employees dataset
grunt> employees = LOAD '/user/pig/data/employees.csv'
>>          USING PigStorage(',')
>>          AS (emp_id:int, name:chararray, dept_id:int, salary:int);
grunt>
```

```

grunt> -- Load departments dataset
grunt> departments = LOAD '/user/pig/data/departments.csv'
>>          USING PigStorage(',')
>>          AS (dept_id:int, dept_name:chararray);
grunt> projected = FOREACH employees GENERATE name, salary;

grunt> DUMP projected;
2025-09-22 23:39:56,852 [main] INFO
org.apache.pig.tools.pigstats.ScriptState - Pig features used in the
script: UNKNOWN
2025-09-22 23:39:57,028 [main] INFO
org.apache.pig.newplan.logical.optimizer.LogicalPlanOptimizer -
{RULES_ENABLED=[AddForEach, ColumnMapKeyPrune,
DuplicateForEachColumnRewrite, GroupByConstParallelSetter,
ImplicitSplitInserter, LimitOptimizer, LoadTypeCastInserter, MergeFilter,
MergeForEach, NewPartitionFilterOptimizer, PushDownForEachFlatten,
PushUpFilter, SplitFilter, StreamTypeCastInserter],
RULES_DISABLED=[FilterLogicExpressionSimplifier, PartitionFilterOptimizer]}
2025-09-22 23:39:57,117 [main] INFO
org.apache.pig.newplan.logical.rules.ColumnPruneVisitor - Columns pruned
for employees: $0, $2
2025-09-22 23:39:57,587 [main] INFO
org.apache.pig.backend.hadoop.executionengine.mapReduceLayer.MRCompiler -
File concatenation threshold: 100 optimistic? false
2025-09-22 23:39:57,685 [main] INFO
org.apache.pig.backend.hadoop.executionengine.mapReduceLayer.MultiQueryOpti
mizer - MR plan size before optimization: 1
2025-09-22 23:39:57,685 [main] INFO
org.apache.pig.backend.hadoop.executionengine.mapReduceLayer.MultiQueryOpti
mizer - MR plan size after optimization: 1
2025-09-22 23:39:57,858 [main] INFO org.apache.hadoop.yarn.client.RMProxy
- Connecting to ResourceManager at /0.0.0.0:8032
2025-09-22 23:39:58,744 [main] INFO
org.apache.pig.tools.pigstats.ScriptState - Pig script settings are added
to the job
2025-09-22 23:39:58,884 [main] INFO
org.apache.hadoop.conf.Configuration.deprecation -
mapred.job.reduce.markreset.buffer.percent is deprecated. Instead, use
mapreduce.reduce.markreset.buffer.percent
2025-09-22 23:39:58,884 [main] INFO
org.apache.pig.backend.hadoop.executionengine.mapReduceLayer.JobControlComp
iler - mapred.job.reduce.markreset.buffer.percent is not set, set to

```

```
default 0.3
2025-09-22 23:39:58,884 [main] INFO
org.apache.hadoop.conf.Configuration.deprecation - mapred.output.compress
is deprecated. Instead, use mapreduce.output.fileoutputformat.compress
2025-09-22 23:40:01,115 [main] INFO
org.apache.pig.backend.hadoop.executionengine.mapReduceLayer.JobControlComp
iler - creating jar file Job4867313516865495619.jar
2025-09-22 23:40:05,866 [main] INFO
org.apache.pig.backend.hadoop.executionengine.mapReduceLayer.JobControlComp
iler - jar file Job4867313516865495619.jar created
2025-09-22 23:40:05,867 [main] INFO
org.apache.hadoop.conf.Configuration.deprecation - mapred.jar is
deprecated. Instead, use mapreduce.job.jar
2025-09-22 23:40:05,894 [main] INFO
org.apache.pig.backend.hadoop.executionengine.mapReduceLayer.JobControlComp
iler - Setting up single store job
2025-09-22 23:40:05,920 [main] INFO
org.apache.pig.data.SchemaTupleFrontend - Key [pig.schematuple] is false,
will not generate code.
2025-09-22 23:40:05,920 [main] INFO
org.apache.pig.data.SchemaTupleFrontend - Starting process to move
generated code to distributed cache
2025-09-22 23:40:05,920 [main] INFO
org.apache.pig.data.SchemaTupleFrontend - Setting key
[pig.schematuple.classes] with classes to deserialize []
2025-09-22 23:40:06,018 [main] INFO
org.apache.pig.backend.hadoop.executionengine.mapReduceLayer.MapReduceLaunc
her - 1 map-reduce job(s) waiting for submission.
2025-09-22 23:40:06,019 [main] INFO
org.apache.hadoop.conf.Configuration.deprecation -
mapred.job.tracker.http.address is deprecated. Instead, use
mapreduce.jobtracker.http.address
2025-09-22 23:40:06,019 [main] INFO
org.apache.hadoop.conf.Configuration.deprecation - mapred.job.tracker is
deprecated. Instead, use mapreduce.jobtracker.address
2025-09-22 23:40:06,030 [JobControl] INFO
org.apache.hadoop.yarn.client.RMPProxy - Connecting to ResourceManager at
/0.0.0.0:8032
2025-09-22 23:40:06,076 [JobControl] INFO
org.apache.hadoop.conf.Configuration.deprecation - fs.default.name is
deprecated. Instead, use fs.defaultFS
2025-09-22 23:40:06,874 [JobControl] INFO
```

```
org.apache.hadoop.mapreduce.lib.input.FileInputFormat - Total input paths
to process : 1
2025-09-22 23:40:06,874 [JobControl] INFO
org.apache.pig.backend.hadoop.executionengine.util.MapRedUtil - Total input
paths to process : 1
2025-09-22 23:40:07,006 [JobControl] INFO
org.apache.pig.backend.hadoop.executionengine.util.MapRedUtil - Total input
paths (combined) to process : 1
2025-09-22 23:40:07,190 [JobControl] INFO
org.apache.hadoop.mapreduce.JobSubmitter - number of splits:1
2025-09-22 23:40:07,591 [JobControl] INFO
org.apache.hadoop.mapreduce.JobSubmitter - Submitting tokens for job:
job_1758605977300_0013
2025-09-22 23:40:08,389 [JobControl] INFO
org.apache.hadoop.yarn.client.api.impl.YarnClientImpl - Submitted
application application_1758605977300_0013
2025-09-22 23:40:08,530 [JobControl] INFO org.apache.hadoop.mapreduce.Job
- The url to track the job:
http://quickstart.cloudera:8088/proxy/application_1758605977300_0013/
2025-09-22 23:40:08,531 [main] INFO
org.apache.pig.backend.hadoop.executionengine.mapReduceLayer.MapReduceLaunc
her - HadoopJobId: job_1758605977300_0013
2025-09-22 23:40:08,531 [main] INFO
org.apache.pig.backend.hadoop.executionengine.mapReduceLayer.MapReduceLaunc
her - Processing aliases employees,projected
2025-09-22 23:40:08,531 [main] INFO
org.apache.pig.backend.hadoop.executionengine.mapReduceLayer.MapReduceLaunc
her - detailed locations: M: employees[1,12],projected[-1,-1] C: R:
2025-09-22 23:40:08,531 [main] INFO
org.apache.pig.backend.hadoop.executionengine.mapReduceLayer.MapReduceLaunc
her - More information at:
http://localhost:50030/jobdetails.jsp?jobid=job_1758605977300_0013
2025-09-22 23:40:08,625 [main] INFO
org.apache.pig.backend.hadoop.executionengine.mapReduceLayer.MapReduceLaunc
her - 0% complete
2025-09-22 23:41:20,123 [main] INFO
org.apache.pig.backend.hadoop.executionengine.mapReduceLayer.MapReduceLaunc
her - 50% complete
2025-09-22 23:41:24,680 [main] INFO
org.apache.hadoop.conf.Configuration.deprecation - mapred.reduce.tasks is
deprecated. Instead, use mapreduce.job.reduces
2025-09-22 23:41:24,814 [main] INFO
```

org.apache.pig.backend.hadoop.executionengine.mapReduceLayer.MapReduceLauncher - 100% complete

2025-09-22 23:41:24,832 [main] INFO

org.apache.pig.tools.pigstats.SimplePigStats - Script Statistics:

HadoopVersion	PigVersion	UserId	StartedAt	FinishedAt	Features
2.6.0-cdh5.4.2	0.12.0-cdh5.4.2	cloudera	2025-09-22 23:39:58		
2025-09-22 23:41:24	UNKNOWN				

Success!

Job Stats (time in seconds):

JobId	Maps	Reduces	MaxMapTime	MinMapTime	AvgMapTime	MedianMapTime	MaxReduceTime	MinReduceTime	AvgReduceTime	MedianReductime
job_1758605977300_0013	1	0	39	39	39	39	n/a	n/a	n/a	n/a
	n/a	employees,projected		MAP_ONLY						

hdfs://quickstart.cloudera:8020/tmp/temp-1289417909/tmp-2135864519,

Input(s):

Successfully read 5 records (459 bytes) from:

"/user/pig/data/employees.csv"

Output(s):

Successfully stored 5 records (81 bytes) in:

"hdfs://quickstart.cloudera:8020/tmp/temp-1289417909/tmp-2135864519"

Counters:

Total records written : 5

Total bytes written : 81

Spillable Memory Manager spill count : 0

Total bags proactively spilled: 0

Total records proactively spilled: 0

Job DAG:

job_1758605977300_0013

2025-09-22 23:41:24,910 [main] INFO

org.apache.pig.backend.hadoop.executionengine.mapReduceLayer.MapReduceLauncher - Success!

2025-09-22 23:41:24,921 [main] INFO

```

org.apache.hadoop.conf.Configuration.deprecation - fs.default.name is
deprecated. Instead, use fs.defaultFS
2025-09-22 23:41:24,921 [main] INFO
org.apache.hadoop.conf.Configuration.deprecation - mapred.job.tracker is
deprecated. Instead, use mapreduce.jobtracker.address
2025-09-22 23:41:24,922 [main] INFO org.apache.pig.data.SchemaTupleBackend
- Key [pig.schematuple] was not set... will not generate code.
2025-09-22 23:41:24,996 [main] INFO
org.apache.hadoop.mapreduce.lib.input.FileInputFormat - Total input paths
to process : 1
2025-09-22 23:41:24,998 [main] INFO
org.apache.pig.backend.hadoop.executionengine.util.MapRedUtil - Total input
paths to process : 1
(Alice,60000)
(Bob,50000)
(Carol,70000)
(David,40000)
(Eva,55000)
grunt>

grunt> high_salary = FILTER employees BY salary > 55000;
DUMP high_salary;high_salary = FILTER employees BY salary > 55000;
2025-09-22 23:41:53,226 [main] INFO
org.apache.hadoop.conf.Configuration.deprecation - fs.default.name is
deprecated. Instead, use fs.defaultFS
2025-09-22 23:41:53,227 [main] INFO
org.apache.hadoop.conf.Configuration.deprecation - mapred.job.tracker is
deprecated. Instead, use mapreduce.jobtracker.address
2025-09-22 23:41:53,458 [main] INFO
org.apache.pig.tools.pigstats.ScriptState - Pig features used in the
script: FILTER
2025-09-22 23:41:53,458 [main] INFO
org.apache.pig.newplan.logical.optimizer.LogicalPlanOptimizer -
{RULES_ENABLED=[AddForEach, ColumnMapKeyPrune,
DuplicateForEachColumnRewrite, GroupByConstParallelSetter,
ImplicitSplitInserter, LimitOptimizer, LoadTypeCastInserter, MergeFilter,
MergeForEach, NewPartitionFilterOptimizer, PushDownForEachFlatten,
PushUpFilter, SplitFilter, StreamTypeCastInserter],
RULES_DISABLED=[FilterLogicExpressionSimplifier, PartitionFilterOptimizer]}
2025-09-22 23:41:53,482 [main] INFO
org.apache.pig.backend.hadoop.executionengine.mapReduceLayer.MRCompiler -
File concatenation threshold: 100 optimistic? false

```

```
2025-09-22 23:41:53,484 [main] INFO
org.apache.pig.backend.hadoop.executionengine.mapReduceLayer.MultiQueryOpti
mizer - MR plan size before optimization: 1
2025-09-22 23:41:53,484 [main] INFO
org.apache.pig.backend.hadoop.executionengine.mapReduceLayer.MultiQueryOpti
mizer - MR plan size after optimization: 1
2025-09-22 23:41:53,503 [main] INFO org.apache.hadoop.yarn.client.RMProxy
- Connecting to ResourceManager at /0.0.0.0:8032
2025-09-22 23:41:53,507 [main] INFO
org.apache.pig.tools.pigstats.ScriptState - Pig script settings are added
to the job
2025-09-22 23:41:53,522 [main] INFO
org.apache.pig.backend.hadoop.executionengine.mapReduceLayer.JobControlComp
iler - mapred.job.reduce.markreset.buffer.percent is not set, set to
default 0.3
2025-09-22 23:41:54,709 [main] INFO
org.apache.pig.backend.hadoop.executionengine.mapReduceLayer.JobControlComp
iler - creating jar file Job4284865231214638417.jar
2025-09-22 23:41:58,697 [main] INFO
org.apache.pig.backend.hadoop.executionengine.mapReduceLayer.JobControlComp
iler - jar file Job4284865231214638417.jar created
2025-09-22 23:41:58,706 [main] INFO
org.apache.pig.backend.hadoop.executionengine.mapReduceLayer.JobControlComp
iler - Setting up single store job
2025-09-22 23:41:58,708 [main] INFO
org.apache.pig.data.SchemaTupleFrontend - Key [pig.schematuple] is false,
will not generate code.
2025-09-22 23:41:58,709 [main] INFO
org.apache.pig.data.SchemaTupleFrontend - Starting process to move
generated code to distributed cache
2025-09-22 23:41:58,709 [main] INFO
org.apache.pig.data.SchemaTupleFrontend - Setting key
[pig.schematuple.classes] with classes to deserialize []
2025-09-22 23:41:58,740 [main] INFO
org.apache.pig.backend.hadoop.executionengine.mapReduceLayer.MapReduceLaunc
her - 1 map-reduce job(s) waiting for submission.
2025-09-22 23:41:58,740 [main] INFO
org.apache.hadoop.conf.Configuration.deprecation - mapred.job.tracker is
deprecated. Instead, use mapreduce.jobtracker.address
2025-09-22 23:41:58,744 [JobControl] INFO
org.apache.hadoop.yarn.client.RMProxy - Connecting to ResourceManager at
/0.0.0.0:8032
```



```
2025-09-22 23:41:58,758 [JobControl] INFO
org.apache.hadoop.conf.Configuration.deprecation - fs.default.name is
deprecated. Instead, use fs.defaultFS
2025-09-22 23:41:59,017 [JobControl] INFO
org.apache.hadoop.mapreduce.lib.input.FileInputFormat - Total input paths
to process : 1
2025-09-22 23:41:59,017 [JobControl] INFO
org.apache.pig.backend.hadoop.executionengine.util.MapRedUtil - Total input
paths to process : 1
2025-09-22 23:41:59,020 [JobControl] INFO
org.apache.pig.backend.hadoop.executionengine.util.MapRedUtil - Total input
paths (combined) to process : 1
2025-09-22 23:41:59,096 [JobControl] INFO
org.apache.hadoop.mapreduce.JobSubmitter - number of splits:1
2025-09-22 23:41:59,172 [JobControl] INFO
org.apache.hadoop.mapreduce.JobSubmitter - Submitting tokens for job:
job_1758605977300_0014
2025-09-22 23:41:59,263 [JobControl] INFO
org.apache.hadoop.yarn.client.api.impl.YarnClientImpl - Submitted
application application_1758605977300_0014
2025-09-22 23:41:59,268 [JobControl] INFO org.apache.hadoop.mapreduce.Job
- The url to track the job:
http://quickstart.cloudera:8088/proxy/application_1758605977300_0014/
2025-09-22 23:41:59,269 [main] INFO
org.apache.pig.backend.hadoop.executionengine.mapReduceLayer.MapReduceLaunc
her - HadoopJobId: job_1758605977300_0014
2025-09-22 23:41:59,270 [main] INFO
org.apache.pig.backend.hadoop.executionengine.mapReduceLayer.MapReduceLaunc
her - Processing aliases employees,high_salary
2025-09-22 23:41:59,270 [main] INFO
org.apache.pig.backend.hadoop.executionengine.mapReduceLayer.MapReduceLaunc
her - detailed locations: M:
employees[1,12],employees[-1,-1],high_salary[8,14] C: R:
2025-09-22 23:41:59,270 [main] INFO
org.apache.pig.backend.hadoop.executionengine.mapReduceLayer.MapReduceLaunc
her - More information at:
http://localhost:50030/jobdetails.jsp?jobid=job_1758605977300_0014
2025-09-22 23:41:59,301 [main] INFO
org.apache.pig.backend.hadoop.executionengine.mapReduceLayer.MapReduceLaunc
her - 0% complete
2025-09-22 23:42:46,741 [main] INFO
org.apache.pig.backend.hadoop.executionengine.mapReduceLayer.MapReduceLaunc
```

```
her - 50% complete
2025-09-22 23:42:50,404 [main] INFO
org.apache.pig.backend.hadoop.executionengine.mapReduceLayer.MapReduceLaunc
her - 100% complete
2025-09-22 23:42:50,405 [main] INFO
org.apache.pig.tools.pigstats.SimplePigStats - Script Statistics:

HadoopVersion      PigVersion  UserId      StartedAt   FinishedAt  Features
2.6.0-cdh5.4.2     0.12.0-cdh5.4.2  cloudera    2025-09-22 23:41:53
2025-09-22 23:42:50      FILTER

Success!

Job Stats (time in seconds):
JobId Maps   Reduces      MaxMapTime  MinMapTime  AvgMapTime  MedianMapTime
      MaxReduceTime  MinReduceTime  AvgReduceTime  MedianReducetime
      Alias Feature      Outputs
job_1758605977300_0014 1      0      19      19      19      19      n/a      n/a      n/a
      n/a      employees,high_salaryMAP_ONLY
hdfs://quickstart.cloudera:8020/tmp/temp-1289417909/tmp1722609071,

Input(s):
Successfully read 5 records (459 bytes) from:
"/user/pig/data/employees.csv"

Output(s):
Successfully stored 2 records (41 bytes) in:
"hdfs://quickstart.cloudera:8020/tmp/temp-1289417909/tmp1722609071"

Counters:
Total records written : 2
Total bytes written : 41
Spillable Memory Manager spill count : 0
Total bags proactively spilled: 0
Total records proactively spilled: 0

Job DAG:
job_1758605977300_0014

2025-09-22 23:42:50,481 [main] INFO
org.apache.pig.backend.hadoop.executionengine.mapReduceLayer.MapReduceLaunc
```

```
her - Success!
2025-09-22 23:42:50,481 [main] INFO
org.apache.hadoop.conf.Configuration.deprecation - fs.default.name is
deprecated. Instead, use fs.defaultFS
2025-09-22 23:42:50,482 [main] INFO
org.apache.hadoop.conf.Configuration.deprecation - mapred.job.tracker is
deprecated. Instead, use mapreduce.jobtracker.address
2025-09-22 23:42:50,482 [main] INFO org.apache.pig.data.SchemaTupleBackend
- Key [pig.schematuple] was not set... will not generate code.
2025-09-22 23:42:50,499 [main] INFO
org.apache.hadoop.mapreduce.lib.input.FileInputFormat - Total input paths
to process : 1
2025-09-22 23:42:50,500 [main] INFO
org.apache.pig.backend.hadoop.executionengine.util.MapRedUtil - Total input
paths to process : 1
(1,Alice,10,60000)
(3,Carol,10,70000)
grunt> DUMP high_salary;
2025-09-22 23:42:50,838 [main] INFO
org.apache.pig.tools.pigstats.ScriptState - Pig features used in the
script: FILTER
2025-09-22 23:42:50,838 [main] INFO
org.apache.pig.newplan.logical.optimizer.LogicalPlanOptimizer -
{RULES_ENABLED=[AddForEach, ColumnMapKeyPrune,
DuplicateForEachColumnRewrite, GroupByConstParallelSetter,
ImplicitSplitInserter, LimitOptimizer, LoadTypeCastInserter, MergeFilter,
MergeForEach, NewPartitionFilterOptimizer, PushDownForEachFlatten,
PushUpFilter, SplitFilter, StreamTypeCastInserter],
RULES_DISABLED=[FilterLogicExpressionSimplifier, PartitionFilterOptimizer]}
2025-09-22 23:42:50,854 [main] INFO
org.apache.pig.backend.hadoop.executionengine.mapReduceLayer.MRCompiler -
File concatenation threshold: 100 optimistic? false
2025-09-22 23:42:50,856 [main] INFO
org.apache.pig.backend.hadoop.executionengine.mapReduceLayer.MultiQueryOpti
mizer - MR plan size before optimization: 1
2025-09-22 23:42:50,856 [main] INFO
org.apache.pig.backend.hadoop.executionengine.mapReduceLayer.MultiQueryOpti
mizer - MR plan size after optimization: 1
2025-09-22 23:42:50,886 [main] INFO org.apache.hadoop.yarn.client.RMProxy
- Connecting to ResourceManager at /0.0.0.0:8032
2025-09-22 23:42:50,888 [main] INFO
org.apache.pig.tools.pigstats.ScriptState - Pig script settings are added
```

```
to the job
2025-09-22 23:42:50,894 [main] INFO
org.apache.pig.backend.hadoop.executionengine.mapReduceLayer.JobControlComp
iler - mapred.job.reduce.markreset.buffer.percent is not set, set to
default 0.3
2025-09-22 23:42:52,607 [main] INFO
org.apache.pig.backend.hadoop.executionengine.mapReduceLayer.JobControlComp
iler - creating jar file Job2067700014214486046.jar
2025-09-22 23:42:56,690 [main] INFO
org.apache.pig.backend.hadoop.executionengine.mapReduceLayer.JobControlComp
iler - jar file Job2067700014214486046.jar created
2025-09-22 23:42:56,696 [main] INFO
org.apache.pig.backend.hadoop.executionengine.mapReduceLayer.JobControlComp
iler - Setting up single store job
2025-09-22 23:42:56,698 [main] INFO
org.apache.pig.data.SchemaTupleFrontend - Key [pig.schematuple] is false,
will not generate code.
2025-09-22 23:42:56,698 [main] INFO
org.apache.pig.data.SchemaTupleFrontend - Starting process to move
generated code to distributed cache
2025-09-22 23:42:56,698 [main] INFO
org.apache.pig.data.SchemaTupleFrontend - Setting key
[pig.schematuple.classes] with classes to deserialize []
2025-09-22 23:42:56,714 [main] INFO
org.apache.pig.backend.hadoop.executionengine.mapReduceLayer.MapReduceLaunc
her - 1 map-reduce job(s) waiting for submission.
2025-09-22 23:42:56,715 [main] INFO
org.apache.hadoop.conf.Configuration.deprecation - mapred.job.tracker is
deprecated. Instead, use mapreduce.jobtracker.address
2025-09-22 23:42:56,724 [JobControl] INFO
org.apache.hadoop.yarn.client.RMPProxy - Connecting to ResourceManager at
/0.0.0.0:8032
2025-09-22 23:42:56,741 [JobControl] INFO
org.apache.hadoop.conf.Configuration.deprecation - fs.default.name is
deprecated. Instead, use fs.defaultFS
2025-09-22 23:42:56,999 [JobControl] INFO
org.apache.hadoop.mapreduce.lib.input.FileInputFormat - Total input paths
to process : 1
2025-09-22 23:42:56,999 [JobControl] INFO
org.apache.pig.backend.hadoop.executionengine.util.MapRedUtil - Total input
paths to process : 1
2025-09-22 23:42:57,003 [JobControl] INFO
```

```
org.apache.pig.backend.hadoop.executionengine.util.MapRedUtil - Total input
paths (combined) to process : 1
2025-09-22 23:42:57,167 [JobControl] INFO
org.apache.hadoop.mapreduce.JobSubmitter - number of splits:1
2025-09-22 23:42:57,266 [JobControl] INFO
org.apache.hadoop.mapreduce.JobSubmitter - Submitting tokens for job:
job_1758605977300_0015
2025-09-22 23:42:57,422 [JobControl] INFO
org.apache.hadoop.yarn.client.api.impl.YarnClientImpl - Submitted
application application_1758605977300_0015
2025-09-22 23:42:57,427 [JobControl] INFO org.apache.hadoop.mapreduce.Job
- The url to track the job:
http://quickstart.cloudera:8088/proxy/application_1758605977300_0015/
2025-09-22 23:42:57,427 [main] INFO
org.apache.pig.backend.hadoop.executionengine.mapReduceLayer.MapReduceLaunc
her - HadoopJobId: job_1758605977300_0015
2025-09-22 23:42:57,427 [main] INFO
org.apache.pig.backend.hadoop.executionengine.mapReduceLayer.MapReduceLaunc
her - Processing aliases employees,high_salary
2025-09-22 23:42:57,427 [main] INFO
org.apache.pig.backend.hadoop.executionengine.mapReduceLayer.MapReduceLaunc
her - detailed locations: M:
employees[1,12],employees[-1,-1],high_salary[9,14] C: R:
2025-09-22 23:42:57,427 [main] INFO
org.apache.pig.backend.hadoop.executionengine.mapReduceLayer.MapReduceLaunc
her - More information at:
http://localhost:50030/jobdetails.jsp?jobid=job_1758605977300_0015
2025-09-22 23:42:57,463 [main] INFO
org.apache.pig.backend.hadoop.executionengine.mapReduceLayer.MapReduceLaunc
her - 0% complete
2025-09-22 23:43:41,842 [main] INFO
org.apache.pig.backend.hadoop.executionengine.mapReduceLayer.MapReduceLaunc
her - 50% complete
2025-09-22 23:43:48,541 [main] INFO
org.apache.hadoop.mapred.ClientServiceDelegate - Application state is
completed. FinalApplicationStatus=SUCCEEDED. Redirecting to job history
server
2025-09-22 23:43:48,856 [main] INFO
org.apache.pig.backend.hadoop.executionengine.mapReduceLayer.MapReduceLaunc
her - 100% complete
2025-09-22 23:43:48,857 [main] INFO
org.apache.pig.tools.pigstats.SimplePigStats - Script Statistics:
```

```
HadoopVersion    PigVersion  UserId      StartedAt   FinishedAt  Features
2.6.0-cdh5.4.2   0.12.0-cdh5.4.2  cloudera   2025-09-22 23:42:50
2025-09-22 23:43:48    FILTER
```

Success!

Job Stats (time in seconds):

JobId	Maps	Reduces	MaxMapTime	MinMapTime	AvgMapTime	MedianMapTime	MaxReduceTime	MinReduceTime	AvgReduceTime	MedianReductime
							Alias	Feature	Outputs	
job_1758605977300_0015	1	0	17	17	17	17	n/a	n/a	n/a	n/a
	n/a	employees,high_salary	MAP_ONLY							

hdfs://quickstart.cloudera:8020/tmp/temp-1289417909/tmp995506319,

Input(s):

Successfully read 5 records (459 bytes) from:
"/user/pig/data/employees.csv"

Output(s):

Successfully stored 2 records (41 bytes) in:
"hdfs://quickstart.cloudera:8020/tmp/temp-1289417909/tmp995506319"

Counters:

Total records written : 2
Total bytes written : 41
Spillable Memory Manager spill count : 0
Total bags proactively spilled: 0
Total records proactively spilled: 0

Job DAG:

job_1758605977300_0015

```
2025-09-22 23:43:48,977 [main] INFO
org.apache.pig.backend.hadoop.executionengine.mapReduceLayer.MapReduceLaunc
her - Success!
2025-09-22 23:43:48,977 [main] INFO
org.apache.hadoop.conf.Configuration.deprecation - fs.default.name is
deprecated. Instead, use fs.defaultFS
2025-09-22 23:43:48,977 [main] INFO
org.apache.hadoop.conf.Configuration.deprecation - mapred.job.tracker is
```

```
deprecated. Instead, use mapreduce.jobtracker.address
2025-09-22 23:43:48,978 [main] INFO org.apache.pig.data.SchemaTupleBackend
- Key [pig.schematuple] was not set... will not generate code.
2025-09-22 23:43:48,998 [main] INFO
org.apache.hadoop.mapreduce.lib.input.FileInputFormat - Total input paths
to process : 1
2025-09-22 23:43:48,998 [main] INFO
org.apache.pig.backend.hadoop.executionengine.util.MapRedUtil - Total input
paths to process : 1
(1,Alice,10,60000)
(3,Carol,10,70000)

grunt> emp_dept = JOIN employees BY dept_id, departments BY dept_id;
grunt> DUMP emp_dept;
2025-09-22 23:44:20,175 [main] INFO
org.apache.pig.tools.pigstats.ScriptState - Pig features used in the
script: HASH_JOIN
2025-09-22 23:44:20,176 [main] INFO
org.apache.pig.newplan.logical.optimizer.LogicalPlanOptimizer -
{RULES_ENABLED=[AddForEach, ColumnMapKeyPrune,
DuplicateForEachColumnRewrite, GroupByConstParallelSetter,
ImplicitSplitInserter, LimitOptimizer, LoadTypeCastInserter, MergeFilter,
MergeForEach, NewPartitionFilterOptimizer, PushDownForEachFlatten,
PushUpFilter, SplitFilter, StreamTypeCastInserter],
RULES_DISABLED=[FilterLogicExpressionSimplifier, PartitionFilterOptimizer]}
2025-09-22 23:44:20,215 [main] INFO
org.apache.pig.backend.hadoop.executionengine.mapReduceLayer.MRCompiler -
File concatenation threshold: 100 optimistic? false
2025-09-22 23:44:20,252 [main] INFO
org.apache.pig.backend.hadoop.executionengine.mapReduceLayer.MRCompiler$Las
tInputStreamingOptimizer - Rewrite: POPackage->POForEach to POJoinPackage
2025-09-22 23:44:20,253 [main] INFO
org.apache.pig.backend.hadoop.executionengine.mapReduceLayer.MultiQueryOpti
mizer - MR plan size before optimization: 1
2025-09-22 23:44:20,253 [main] INFO
org.apache.pig.backend.hadoop.executionengine.mapReduceLayer.MultiQueryOpti
mizer - MR plan size after optimization: 1
2025-09-22 23:44:20,271 [main] INFO org.apache.hadoop.yarn.client.RMProxy
- Connecting to ResourceManager at /0.0.0.0:8032
2025-09-22 23:44:20,273 [main] INFO
org.apache.pig.tools.pigstats.ScriptState - Pig script settings are added
to the job
```

```
2025-09-22 23:44:20,280 [main] INFO
org.apache.pig.backend.hadoop.executionengine.mapReduceLayer.JobControlCompiler - mapred.job.reduce.markreset.buffer.percent is not set, set to default 0.3
2025-09-22 23:44:20,281 [main] INFO
org.apache.pig.backend.hadoop.executionengine.mapReduceLayer.JobControlCompiler - Reduce phase detected, estimating # of required reducers.
2025-09-22 23:44:20,288 [main] INFO
org.apache.pig.backend.hadoop.executionengine.mapReduceLayer.JobControlCompiler - Using reducer estimator:
org.apache.pig.backend.hadoop.executionengine.mapReduceLayer.InputSizeReducerEstimator
2025-09-22 23:44:20,303 [main] INFO
org.apache.pig.backend.hadoop.executionengine.mapReduceLayer.InputSizeReducerEstimator - BytesPerReducer=1000000000 maxReducers=999
totalInputFileSize=104
2025-09-22 23:44:20,303 [main] INFO
org.apache.pig.backend.hadoop.executionengine.mapReduceLayer.JobControlCompiler - Setting Parallelism to 1
2025-09-22 23:44:21,279 [main] INFO
org.apache.pig.backend.hadoop.executionengine.mapReduceLayer.JobControlCompiler - creating jar file Job529952104929877418.jar
2025-09-22 23:44:25,503 [main] INFO
org.apache.pig.backend.hadoop.executionengine.mapReduceLayer.JobControlCompiler - jar file Job529952104929877418.jar created
2025-09-22 23:44:25,509 [main] INFO
org.apache.pig.backend.hadoop.executionengine.mapReduceLayer.JobControlCompiler - Setting up single store job
2025-09-22 23:44:25,510 [main] INFO
org.apache.pig.data.SchemaTupleFrontend - Key [pig.schematuple] is false, will not generate code.
2025-09-22 23:44:25,510 [main] INFO
org.apache.pig.data.SchemaTupleFrontend - Starting process to move generated code to distributed cache
2025-09-22 23:44:25,510 [main] INFO
org.apache.pig.data.SchemaTupleFrontend - Setting key [pig.schematuple.classes] with classes to deserialize []
2025-09-22 23:44:25,675 [main] INFO
org.apache.pig.backend.hadoop.executionengine.mapReduceLayer.MapReduceLauncher - 1 map-reduce job(s) waiting for submission.
2025-09-22 23:44:25,676 [main] INFO
org.apache.hadoop.conf.Configuration.deprecation - mapred.job.tracker is
```



```
deprecated. Instead, use mapreduce.jobtracker.address
2025-09-22 23:44:25,678 [JobControl] INFO
org.apache.hadoop.yarn.client.RMPProxy - Connecting to ResourceManager at
/0.0.0.0:8032
2025-09-22 23:44:25,687 [JobControl] INFO
org.apache.hadoop.conf.Configuration.deprecation - fs.default.name is
deprecated. Instead, use fs.defaultFS
2025-09-22 23:44:26,122 [JobControl] INFO
org.apache.hadoop.mapreduce.lib.input.FileInputFormat - Total input paths
to process : 1
2025-09-22 23:44:26,122 [JobControl] INFO
org.apache.pig.backend.hadoop.executionengine.util.MapRedUtil - Total input
paths to process : 1
2025-09-22 23:44:26,124 [JobControl] INFO
org.apache.pig.backend.hadoop.executionengine.util.MapRedUtil - Total input
paths (combined) to process : 1
2025-09-22 23:44:26,133 [JobControl] INFO
org.apache.hadoop.mapreduce.lib.input.FileInputFormat - Total input paths
to process : 1
2025-09-22 23:44:26,133 [JobControl] INFO
org.apache.pig.backend.hadoop.executionengine.util.MapRedUtil - Total input
paths to process : 1
2025-09-22 23:44:26,142 [JobControl] INFO
org.apache.pig.backend.hadoop.executionengine.util.MapRedUtil - Total input
paths (combined) to process : 1
2025-09-22 23:44:26,300 [JobControl] INFO
org.apache.hadoop.mapreduce.JobSubmitter - number of splits:2
2025-09-22 23:44:26,362 [JobControl] INFO
org.apache.hadoop.mapreduce.JobSubmitter - Submitting tokens for job:
job_1758605977300_0016
2025-09-22 23:44:26,461 [JobControl] INFO
org.apache.hadoop.yarn.client.api.impl.YarnClientImpl - Submitted
application application_1758605977300_0016
2025-09-22 23:44:26,466 [JobControl] INFO org.apache.hadoop.mapreduce.Job
- The url to track the job:
http://quickstart.cloudera:8088/proxy/application_1758605977300_0016/
2025-09-22 23:44:26,466 [main] INFO
org.apache.pig.backend.hadoop.executionengine.mapReduceLayer.MapReduceLaunc
her - HadoopJobId: job_1758605977300_0016
2025-09-22 23:44:26,466 [main] INFO
org.apache.pig.backend.hadoop.executionengine.mapReduceLayer.MapReduceLaunc
her - Processing aliases departments,emp_dept,employees
```

```

2025-09-22 23:44:26,467 [main] INFO
org.apache.pig.backend.hadoop.executionengine.mapReduceLayer.MapReduceLaunc
her - detailed locations: M:
departments[4,14],departments[-1,-1],emp_dept[10,11],employees[1,12],employ
ees[-1,-1],emp_dept[10,11] C: R:
2025-09-22 23:44:26,467 [main] INFO
org.apache.pig.backend.hadoop.executionengine.mapReduceLayer.MapReduceLaunc
her - More information at:
http://localhost:50030/jobdetails.jsp?jobid=job_1758605977300_0016
2025-09-22 23:44:26,515 [main] INFO
org.apache.pig.backend.hadoop.executionengine.mapReduceLayer.MapReduceLaunc
her - 0% complete
2025-09-22 23:45:26,320 [main] INFO
org.apache.pig.backend.hadoop.executionengine.mapReduceLayer.MapReduceLaunc
her - 25% complete
2025-09-22 23:45:27,505 [main] INFO
org.apache.pig.backend.hadoop.executionengine.mapReduceLayer.MapReduceLaunc
her - 50% complete
2025-09-22 23:45:52,904 [main] INFO
org.apache.pig.backend.hadoop.executionengine.mapReduceLayer.MapReduceLaunc
her - 100% complete
2025-09-22 23:45:52,904 [main] INFO
org.apache.pig.tools.pigstats.SimplePigStats - Script Statistics:

HadoopVersion    PigVersion  UserId      StartedAt   FinishedAt  Features
2.6.0-cdh5.4.2    0.12.0-cdh5.4.2  cloudera    2025-09-22 23:44:20
2025-09-22 23:45:52    HASH_JOIN

Success!

Job Stats (time in seconds):
JobId Maps  Reduces    MaxMapTime  MinMapTime  AvgMapTime  MedianMapTime
      MaxReduceTime  MinReduceTime  AvgReduceTime  MedianReductime
      Alias Feature  Outputs
job_1758605977300_0016 2    1    39    39    39    39    20    20    20
      20    departments,emp_dept,employees    HASH_JOIN
hdfs://quickstart.cloudera:8020/tmp/temp-1289417909/tmp1718785876,

Input(s):
Successfully read 5 records from: "/user/pig/data/employees.csv"
Successfully read 3 records from: "/user/pig/data/departments.csv"

```

Output(s):

Successfully stored 5 records (140 bytes) in:

"hdfs://quickstart.cloudera:8020/tmp/temp-1289417909/tmp1718785876"

Counters:

Total records written : 5

Total bytes written : 140

Spillable Memory Manager spill count : 0

Total bags proactively spilled: 0

Total records proactively spilled: 0

Job DAG:

job_1758605977300_0016

2025-09-22 23:45:53,014 [main] INFO

org.apache.pig.backend.hadoop.executionengine.mapReduceLayer.MapReduceLauncher - Success!

2025-09-22 23:45:53,016 [main] INFO

org.apache.hadoop.conf.Configuration.deprecation - fs.default.name is deprecated. Instead, use fs.defaultFS

2025-09-22 23:45:53,016 [main] INFO

org.apache.hadoop.conf.Configuration.deprecation - mapred.job.tracker is deprecated. Instead, use mapreduce.jobtracker.address

2025-09-22 23:45:53,016 [main] INFO org.apache.pig.data.SchemaTupleBackend - Key [pig.schematuple] was not set... will not generate code.

2025-09-22 23:45:53,038 [main] INFO

org.apache.hadoop.mapreduce.lib.input.FileInputFormat - Total input paths to process : 1

2025-09-22 23:45:53,038 [main] INFO

org.apache.pig.backend.hadoop.executionengine.util.MapRedUtil - Total input paths to process : 1

(3,Carol,10,70000,10,HR)

(1,Alice,10,60000,10,HR)

(5,Eva,20,55000,20,IT)

(2,Bob,20,50000,20,IT)

(4,David,30,40000,30,Finance)

grunt>

```

grunt> grouped = GROUP employees BY dept_id;
grunt> avg_salary = FOREACH grouped
>>          GENERATE group AS dept_id,
>>          AVG(employees.salary) AS avg_salary;
grunt> DUMP avg_salary;
2025-09-22 23:31:00,217 [main] INFO
org.apache.pig.tools.pigstats.ScriptState - Pig features used in the
script: GROUP_BY
2025-09-22 23:31:00,218 [main] INFO
org.apache.pig.newplan.logical.optimizer.LogicalPlanOptimizer -
{RULES_ENABLED=[AddForEach, ColumnMapKeyPrune,
DuplicateForEachColumnRewrite, GroupByConstParallelSetter,
ImplicitSplitInserter, LimitOptimizer, LoadTypeCastInserter, MergeFilter,
MergeForEach, NewPartitionFilterOptimizer, PushDownForEachFlatten,
PushUpFilter, SplitFilter, StreamTypeCastInserter],
RULES_DISABLED=[FilterLogicExpressionSimplifier, PartitionFilterOptimizer]}
2025-09-22 23:31:00,244 [main] INFO
org.apache.pig.backend.hadoop.executionengine.mapReduceLayer.MRCompiler -
File concatenation threshold: 100 optimistic? false
2025-09-22 23:31:00,249 [main] INFO
org.apache.pig.backend.hadoop.executionengine.mapReduceLayer.CombinerOptimi
zer - Choosing to move algebraic foreach to combiner
2025-09-22 23:31:00,265 [main] INFO
org.apache.pig.backend.hadoop.executionengine.mapReduceLayer.MultiQueryOpti
mizer - MR plan size before optimization: 1
2025-09-22 23:31:00,265 [main] INFO
org.apache.pig.backend.hadoop.executionengine.mapReduceLayer.MultiQueryOpti
mizer - MR plan size after optimization: 1
2025-09-22 23:31:00,294 [main] INFO org.apache.hadoop.yarn.client.RMProxy
- Connecting to ResourceManager at /0.0.0.0:8032
2025-09-22 23:31:00,301 [main] INFO
org.apache.pig.tools.pigstats.ScriptState - Pig script settings are added
to the job
2025-09-22 23:31:00,326 [main] INFO
org.apache.pig.backend.hadoop.executionengine.mapReduceLayer.JobControlComp
iler - mapred.job.reduce.markreset.buffer.percent is not set, set to
default 0.3
2025-09-22 23:31:00,326 [main] INFO
org.apache.pig.backend.hadoop.executionengine.mapReduceLayer.JobControlComp
iler - Reduce phase detected, estimating # of required reducers.
2025-09-22 23:31:00,326 [main] INFO

```

```
org.apache.pig.backend.hadoop.executionengine.mapReduceLayer.JobControlCompiler - Using reducer estimator:
org.apache.pig.backend.hadoop.executionengine.mapReduceLayer.InputSizeReducerEstimator
2025-09-22 23:31:00,330 [main] INFO
org.apache.pig.backend.hadoop.executionengine.mapReduceLayer.InputSizeReducerEstimator - BytesPerReducer=1000000000 maxReducers=999
totalInputFileSize=81
2025-09-22 23:31:00,330 [main] INFO
org.apache.pig.backend.hadoop.executionengine.mapReduceLayer.JobControlCompiler - Setting Parallelism to 1
2025-09-22 23:31:02,091 [main] INFO
org.apache.pig.backend.hadoop.executionengine.mapReduceLayer.JobControlCompiler - creating jar file Job394701007327040200.jar
2025-09-22 23:31:06,458 [main] INFO
org.apache.pig.backend.hadoop.executionengine.mapReduceLayer.JobControlCompiler - jar file Job394701007327040200.jar created
2025-09-22 23:31:06,463 [main] INFO
org.apache.pig.backend.hadoop.executionengine.mapReduceLayer.JobControlCompiler - Setting up single store job
2025-09-22 23:31:06,466 [main] INFO
org.apache.pig.data.SchemaTupleFrontend - Key [pig.schematuple] is false, will not generate code.
2025-09-22 23:31:06,466 [main] INFO
org.apache.pig.data.SchemaTupleFrontend - Starting process to move generated code to distributed cache
2025-09-22 23:31:06,466 [main] INFO
org.apache.pig.data.SchemaTupleFrontend - Setting key [pig.schematuple.classes] with classes to deserialize []
2025-09-22 23:31:06,490 [main] INFO
org.apache.pig.backend.hadoop.executionengine.mapReduceLayer.MapReduceLauncher - 1 map-reduce job(s) waiting for submission.
2025-09-22 23:31:06,490 [main] INFO
org.apache.hadoop.conf.Configuration.deprecation - mapred.job.tracker is deprecated. Instead, use mapreduce.jobtracker.address
2025-09-22 23:31:06,497 [JobControl] INFO
org.apache.hadoop.yarn.client.RMPProxy - Connecting to ResourceManager at /0.0.0.0:8032
2025-09-22 23:31:06,504 [JobControl] INFO
org.apache.hadoop.conf.Configuration.deprecation - fs.default.name is deprecated. Instead, use fs.defaultFS
2025-09-22 23:31:06,779 [JobControl] INFO
org.apache.hadoop.mapreduce.lib.input.FileInputFormat - Total input paths
```

```
to process : 1
2025-09-22 23:31:06,779 [JobControl] INFO
org.apache.pig.backend.hadoop.executionengine.util.MapRedUtil - Total input
paths to process : 1
2025-09-22 23:31:06,783 [JobControl] INFO
org.apache.pig.backend.hadoop.executionengine.util.MapRedUtil - Total input
paths (combined) to process : 1
2025-09-22 23:31:06,932 [JobControl] INFO
org.apache.hadoop.mapreduce.JobSubmitter - number of splits:1
2025-09-22 23:31:07,456 [JobControl] INFO
org.apache.hadoop.mapreduce.JobSubmitter - Submitting tokens for job:
job_1758605977300_0009
2025-09-22 23:31:07,550 [JobControl] INFO
org.apache.hadoop.yarn.client.api.impl.YarnClientImpl - Submitted
application application_1758605977300_0009
2025-09-22 23:31:07,555 [JobControl] INFO org.apache.hadoop.mapreduce.Job
- The url to track the job:
http://quickstart.cloudera:8088/proxy/application_1758605977300_0009/
2025-09-22 23:31:07,556 [main] INFO
org.apache.pig.backend.hadoop.executionengine.mapReduceLayer.MapReduceLaunc
her - HadoopJobId: job_1758605977300_0009
2025-09-22 23:31:07,556 [main] INFO
org.apache.pig.backend.hadoop.executionengine.mapReduceLayer.MapReduceLaunc
her - Processing aliases avg_salary,employees,grouped
2025-09-22 23:31:07,556 [main] INFO
org.apache.pig.backend.hadoop.executionengine.mapReduceLayer.MapReduceLaunc
her - detailed locations: M:
employees[1,12],employees[-1,-1],avg_salary[11,13],grouped[10,10] C:
avg_salary[11,13],grouped[10,10] R: avg_salary[11,13]
2025-09-22 23:31:07,556 [main] INFO
org.apache.pig.backend.hadoop.executionengine.mapReduceLayer.MapReduceLaunc
her - More information at:
http://localhost:50030/jobdetails.jsp?jobid=job_1758605977300_0009
2025-09-22 23:31:07,589 [main] INFO
org.apache.pig.backend.hadoop.executionengine.mapReduceLayer.MapReduceLaunc
her - 0% complete
2025-09-22 23:31:35,703 [main] INFO
org.apache.pig.backend.hadoop.executionengine.mapReduceLayer.MapReduceLaunc
her - 50% complete
2025-09-22 23:31:53,612 [main] INFO
org.apache.pig.backend.hadoop.executionengine.mapReduceLayer.MapReduceLaunc
her - 100% complete
2025-09-22 23:31:53,612 [main] INFO
```

org.apache.pig.tools.pigstats.SimplePigStats - Script Statistics:

HadoopVersion	PigVersion	UserId	StartedAt	FinishedAt	Features
2.6.0-cdh5.4.2	0.12.0-cdh5.4.2	cloudera	2025-09-22 23:31:00	2025-09-22 23:31:53	GROUP_BY

Success!

Job Stats (time in seconds):

JobId	Maps	Reduces	MaxMapTime	MinMapTime	AvgMapTime	MedianMapTime	MaxReduceTime	MinReduceTime	AvgReduceTime	MedianReducetime
job_1758605977300_0009	10	1	10	9	9	10	10	9	9	10
Alias Feature Outputs										
10 avg_salary,employees,grouped GROUP_BY,COMBINER										
hdfs://quickstart.cloudera:8020/tmp/temp663079967/tmp-593204888,										

Input(s):

Successfully read 5 records (459 bytes) from:
"/user/pig/data/employees.csv"

Output(s):

Successfully stored 3 records (45 bytes) in:
"hdfs://quickstart.cloudera:8020/tmp/temp663079967/tmp-593204888"

Counters:

Total records written : 3
Total bytes written : 45
Spillable Memory Manager spill count : 0
Total bags proactively spilled: 0
Total records proactively spilled: 0

Job DAG:

job_1758605977300_0009

2025-09-22 23:31:53,701 [main] INFO

org.apache.pig.backend.hadoop.executionengine.mapReduceLayer.MapReduceLauncher - Success!

2025-09-22 23:31:53,702 [main] INFO

org.apache.hadoop.conf.Configuration.deprecation - fs.default.name is deprecated. Instead, use fs.defaultFS

2025-09-22 23:31:53,702 [main] INFO

org.apache.hadoop.conf.Configuration.deprecation - mapred.job.tracker is

```
deprecated. Instead, use mapreduce.jobtracker.address
2025-09-22 23:31:53,702 [main] INFO org.apache.pig.data.SchemaTupleBackend
- Key [pig.schematuple] was not set... will not generate code.
2025-09-22 23:31:53,724 [main] INFO
org.apache.hadoop.mapreduce.lib.input.FileInputFormat - Total input paths
to process : 1
2025-09-22 23:31:53,724 [main] INFO
org.apache.pig.backend.hadoop.executionengine.util.MapRedUtil - Total input
paths to process : 1
(10,65000.0)
(20,52500.0)
(30,40000.0)
grunt> sorted = ORDER employees BY salary DESC;
grunt> DUMP sorted;
2025-09-22 23:32:04,428 [main] INFO
org.apache.pig.tools.pigstats.ScriptState - Pig features used in the
script: ORDER_BY
2025-09-22 23:32:04,429 [main] INFO
org.apache.pig.newplan.logical.optimizer.LogicalPlanOptimizer -
{RULES_ENABLED=[AddForEach, ColumnMapKeyPrune,
DuplicateForEachColumnRewrite, GroupByConstParallelSetter,
ImplicitSplitInserter, LimitOptimizer, LoadTypeCastInserter, MergeFilter,
MergeForEach, NewPartitionFilterOptimizer, PushDownForEachFlatten,
PushUpFilter, SplitFilter, StreamTypeCastInserter],
RULES_DISABLED=[FilterLogicExpressionSimplifier, PartitionFilterOptimizer]}
2025-09-22 23:32:04,456 [main] INFO
org.apache.pig.backend.hadoop.executionengine.mapReduceLayer.MRCompiler -
File concatenation threshold: 100 optimistic? false
2025-09-22 23:32:04,493 [main] INFO
org.apache.pig.backend.hadoop.executionengine.mapReduceLayer.MultiQueryOpti
mizer - MR plan size before optimization: 3
2025-09-22 23:32:04,493 [main] INFO
org.apache.pig.backend.hadoop.executionengine.mapReduceLayer.MultiQueryOpti
mizer - MR plan size after optimization: 3
2025-09-22 23:32:04,521 [main] INFO org.apache.hadoop.yarn.client.RMProxy
- Connecting to ResourceManager at /0.0.0.0:8032
2025-09-22 23:32:04,523 [main] INFO
org.apache.pig.tools.pigstats.ScriptState - Pig script settings are added
to the job
2025-09-22 23:32:04,533 [main] INFO
org.apache.pig.backend.hadoop.executionengine.mapReduceLayer.JobControlComp
iler - mapred.job.reduce.markreset.buffer.percent is not set, set to
default 0.3
```



```
2025-09-22 23:32:06,338 [main] INFO
org.apache.pig.backend.hadoop.executionengine.mapReduceLayer.JobControlCompiler - creating jar file Job225288129916192793.jar
2025-09-22 23:32:09,722 [main] INFO
org.apache.pig.backend.hadoop.executionengine.mapReduceLayer.JobControlCompiler - jar file Job225288129916192793.jar created
2025-09-22 23:32:09,727 [main] INFO
org.apache.pig.backend.hadoop.executionengine.mapReduceLayer.JobControlCompiler - Setting up single store job
2025-09-22 23:32:09,728 [main] INFO
org.apache.pig.data.SchemaTupleFrontend - Key [pig.schematuple] is false, will not generate code.
2025-09-22 23:32:09,728 [main] INFO
org.apache.pig.data.SchemaTupleFrontend - Starting process to move generated code to distributed cache
2025-09-22 23:32:09,728 [main] INFO
org.apache.pig.data.SchemaTupleFrontend - Setting key [pig.schematuple.classes] with classes to deserialize []
2025-09-22 23:32:09,735 [main] INFO
org.apache.pig.backend.hadoop.executionengine.mapReduceLayer.MapReduceLauncher - 1 map-reduce job(s) waiting for submission.
2025-09-22 23:32:09,735 [main] INFO
org.apache.hadoop.conf.Configuration.deprecation - mapred.job.tracker is deprecated. Instead, use mapreduce.jobtracker.address
2025-09-22 23:32:09,746 [JobControl] INFO
org.apache.hadoop.yarn.client.RMProxy - Connecting to ResourceManager at /0.0.0.0:8032
2025-09-22 23:32:09,754 [JobControl] INFO
org.apache.hadoop.conf.Configuration.deprecation - fs.default.name is deprecated. Instead, use fs.defaultFS
2025-09-22 23:32:09,986 [JobControl] INFO
org.apache.hadoop.mapreduce.lib.input.FileInputFormat - Total input paths to process : 1
2025-09-22 23:32:09,986 [JobControl] INFO
org.apache.pig.backend.hadoop.executionengine.util.MapRedUtil - Total input paths to process : 1
2025-09-22 23:32:09,989 [JobControl] INFO
org.apache.pig.backend.hadoop.executionengine.util.MapRedUtil - Total input paths (combined) to process : 1
2025-09-22 23:32:10,058 [JobControl] INFO
org.apache.hadoop.mapreduce.JobSubmitter - number of splits:1
2025-09-22 23:32:10,135 [JobControl] INFO
org.apache.hadoop.mapreduce.JobSubmitter - Submitting tokens for job:
```

```
job_1758605977300_0010
2025-09-22 23:32:10,251 [JobControl] INFO
org.apache.hadoop.yarn.client.api.impl.YarnClientImpl - Submitted
application application_1758605977300_0010
2025-09-22 23:32:10,257 [JobControl] INFO org.apache.hadoop.mapreduce.Job
- The url to track the job:
http://quickstart.cloudera:8088/proxy/application_1758605977300_0010/
2025-09-22 23:32:10,257 [main] INFO
org.apache.pig.backend.hadoop.executionengine.mapReduceLayer.MapReduceLaunc
her - HadoopJobId: job_1758605977300_0010
2025-09-22 23:32:10,257 [main] INFO
org.apache.pig.backend.hadoop.executionengine.mapReduceLayer.MapReduceLaunc
her - Processing aliases employees
2025-09-22 23:32:10,257 [main] INFO
org.apache.pig.backend.hadoop.executionengine.mapReduceLayer.MapReduceLaunc
her - detailed locations: M: employees[1,12],employees[-1,-1] C: R:
2025-09-22 23:32:10,257 [main] INFO
org.apache.pig.backend.hadoop.executionengine.mapReduceLayer.MapReduceLaunc
her - More information at:
http://localhost:50030/jobdetails.jsp?jobid=job_1758605977300_0010
2025-09-22 23:32:10,287 [main] INFO
org.apache.pig.backend.hadoop.executionengine.mapReduceLayer.MapReduceLaunc
her - 0% complete
2025-09-22 23:32:37,071 [main] INFO
org.apache.pig.backend.hadoop.executionengine.mapReduceLayer.MapReduceLaunc
her - 16% complete
2025-09-22 23:32:40,902 [main] INFO
org.apache.pig.tools.pigstats.ScriptState - Pig script settings are added
to the job
2025-09-22 23:32:40,906 [main] INFO
org.apache.pig.backend.hadoop.executionengine.mapReduceLayer.JobControlComp
iler - mapred.job.reduce.markreset.buffer.percent is not set, set to
default 0.3
2025-09-22 23:32:40,908 [main] INFO
org.apache.pig.backend.hadoop.executionengine.mapReduceLayer.JobControlComp
iler - Reduce phase detected, estimating # of required reducers.
2025-09-22 23:32:40,908 [main] INFO
org.apache.pig.backend.hadoop.executionengine.mapReduceLayer.JobControlComp
iler - Using reducer estimator:
org.apache.pig.backend.hadoop.executionengine.mapReduceLayer.InputSizeReduc
erEstimator
2025-09-22 23:32:40,922 [main] INFO
org.apache.pig.backend.hadoop.executionengine.mapReduceLayer.InputSizeReduc
```

```
erEstimator - BytesPerReducer=1000000000 maxReducers=999
totalInputFileSize=100
2025-09-22 23:32:40,925 [main] INFO
org.apache.pig.backend.hadoop.executionengine.mapReduceLayer.JobControlComp
iler - Setting Parallelism to 1
2025-09-22 23:32:41,618 [main] INFO
org.apache.pig.backend.hadoop.executionengine.mapReduceLayer.JobControlComp
iler - creating jar file Job3187766446191914800.jar
2025-09-22 23:32:45,620 [main] INFO
org.apache.pig.backend.hadoop.executionengine.mapReduceLayer.JobControlComp
iler - jar file Job3187766446191914800.jar created
2025-09-22 23:32:45,643 [main] INFO
org.apache.pig.backend.hadoop.executionengine.mapReduceLayer.JobControlComp
iler - Setting up single store job
2025-09-22 23:32:45,700 [main] INFO
org.apache.pig.data.SchemaTupleFrontend - Key [pig.schematuple] is false,
will not generate code.
2025-09-22 23:32:45,700 [main] INFO
org.apache.pig.data.SchemaTupleFrontend - Starting process to move
generated code to distributed cache
2025-09-22 23:32:45,700 [main] INFO
org.apache.pig.data.SchemaTupleFrontend - Setting key
[pig.schematuple.classes] with classes to deserialize []
2025-09-22 23:32:45,756 [main] INFO
org.apache.pig.backend.hadoop.executionengine.mapReduceLayer.MapReduceLaunc
her - 1 map-reduce job(s) waiting for submission.
2025-09-22 23:32:45,756 [main] INFO
org.apache.hadoop.conf.Configuration.deprecation - mapred.job.tracker is
deprecated. Instead, use mapreduce.jobtracker.address
2025-09-22 23:32:45,764 [JobControl] INFO
org.apache.hadoop.yarn.client.RMProxy - Connecting to ResourceManager at
/0.0.0.0:8032
2025-09-22 23:32:45,773 [JobControl] INFO
org.apache.hadoop.conf.Configuration.deprecation - fs.default.name is
deprecated. Instead, use fs.defaultFS
2025-09-22 23:32:46,599 [JobControl] INFO
org.apache.hadoop.mapreduce.lib.input.FileInputFormat - Total input paths
to process : 1
2025-09-22 23:32:46,599 [JobControl] INFO
org.apache.pig.backend.hadoop.executionengine.util.MapRedUtil - Total input
paths to process : 1
2025-09-22 23:32:46,599 [JobControl] INFO
org.apache.pig.backend.hadoop.executionengine.util.MapRedUtil - Total input
```

```
paths (combined) to process : 1
2025-09-22 23:32:46,774 [JobControl] INFO
org.apache.hadoop.mapreduce.JobSubmitter - number of splits:1
2025-09-22 23:32:46,844 [JobControl] INFO
org.apache.hadoop.mapreduce.JobSubmitter - Submitting tokens for job:
job_1758605977300_0011
2025-09-22 23:32:46,949 [JobControl] INFO
org.apache.hadoop.yarn.client.api.impl.YarnClientImpl - Submitted
application application_1758605977300_0011
2025-09-22 23:32:46,955 [JobControl] INFO org.apache.hadoop.mapreduce.Job
- The url to track the job:
http://quickstart.cloudera:8088/proxy/application_1758605977300_0011/
2025-09-22 23:32:46,955 [main] INFO
org.apache.pig.backend.hadoop.executionengine.mapReduceLayer.MapReduceLaunc
her - HadoopJobId: job_1758605977300_0011
2025-09-22 23:32:46,955 [main] INFO
org.apache.pig.backend.hadoop.executionengine.mapReduceLayer.MapReduceLaunc
her - Processing aliases sorted
2025-09-22 23:32:46,955 [main] INFO
org.apache.pig.backend.hadoop.executionengine.mapReduceLayer.MapReduceLaunc
her - detailed locations: M: sorted[14,9] C: R:
2025-09-22 23:32:46,955 [main] INFO
org.apache.pig.backend.hadoop.executionengine.mapReduceLayer.MapReduceLaunc
her - More information at:
http://localhost:50030/jobdetails.jsp?jobid=job_1758605977300_0011
2025-09-22 23:32:46,997 [main] INFO
org.apache.pig.backend.hadoop.executionengine.mapReduceLayer.MapReduceLaunc
her - 33% complete
2025-09-22 23:33:16,449 [main] INFO
org.apache.pig.backend.hadoop.executionengine.mapReduceLayer.MapReduceLaunc
her - 50% complete
2025-09-22 23:33:37,613 [main] INFO
org.apache.pig.backend.hadoop.executionengine.mapReduceLayer.MapReduceLaunc
her - 66% complete
2025-09-22 23:33:42,706 [main] INFO
org.apache.pig.tools.pigstats.ScriptState - Pig script settings are added
to the job
2025-09-22 23:33:42,715 [main] INFO
org.apache.pig.backend.hadoop.executionengine.mapReduceLayer.JobControlComp
iler - mapred.job.reduce.markreset.buffer.percent is not set, set to
default 0.3
2025-09-22 23:33:42,715 [main] INFO
org.apache.pig.backend.hadoop.executionengine.mapReduceLayer.JobControlComp
```

```
iler - Reduce phase detected, estimating # of required reducers.
2025-09-22 23:33:42,715 [main] INFO
org.apache.pig.backend.hadoop.executionengine.mapReduceLayer.JobControlComp
iler - Setting Parallelism to 1
2025-09-22 23:33:44,623 [main] INFO
org.apache.pig.backend.hadoop.executionengine.mapReduceLayer.JobControlComp
iler - creating jar file Job5053997675024585081.jar
2025-09-22 23:33:48,410 [main] INFO
org.apache.pig.backend.hadoop.executionengine.mapReduceLayer.JobControlComp
iler - jar file Job5053997675024585081.jar created
2025-09-22 23:33:48,416 [main] INFO
org.apache.pig.backend.hadoop.executionengine.mapReduceLayer.JobControlComp
iler - Setting up single store job
2025-09-22 23:33:48,418 [main] INFO
org.apache.pig.data.SchemaTupleFrontend - Key [pig.schematuple] is false,
will not generate code.
2025-09-22 23:33:48,418 [main] INFO
org.apache.pig.data.SchemaTupleFrontend - Starting process to move
generated code to distributed cache
2025-09-22 23:33:48,418 [main] INFO
org.apache.pig.data.SchemaTupleFrontend - Setting key
[pig.schematuple.classes] with classes to deserialize []
2025-09-22 23:33:48,444 [main] INFO
org.apache.pig.backend.hadoop.executionengine.mapReduceLayer.MapReduceLaunc
her - 1 map-reduce job(s) waiting for submission.
2025-09-22 23:33:48,444 [main] INFO
org.apache.hadoop.conf.Configuration.deprecation - mapred.job.tracker is
deprecated. Instead, use mapreduce.jobtracker.address
2025-09-22 23:33:48,448 [JobControl] INFO
org.apache.hadoop.yarn.client.RMPProxy - Connecting to ResourceManager at
/0.0.0.0:8032
2025-09-22 23:33:48,458 [JobControl] INFO
org.apache.hadoop.conf.Configuration.deprecation - fs.default.name is
deprecated. Instead, use fs.defaultFS
2025-09-22 23:33:48,719 [JobControl] INFO
org.apache.hadoop.mapreduce.lib.input.FileInputFormat - Total input paths
to process : 1
2025-09-22 23:33:48,719 [JobControl] INFO
org.apache.pig.backend.hadoop.executionengine.util.MapRedUtil - Total input
paths to process : 1
2025-09-22 23:33:48,719 [JobControl] INFO
org.apache.pig.backend.hadoop.executionengine.util.MapRedUtil - Total input
paths (combined) to process : 1
```

```

2025-09-22 23:33:48,795 [JobControl] INFO
org.apache.hadoop.mapreduce.JobSubmitter - number of splits:1
2025-09-22 23:33:48,874 [JobControl] INFO
org.apache.hadoop.mapreduce.JobSubmitter - Submitting tokens for job:
job_1758605977300_0012
2025-09-22 23:33:48,992 [JobControl] INFO
org.apache.hadoop.yarn.client.api.impl.YarnClientImpl - Submitted
application application_1758605977300_0012
2025-09-22 23:33:49,001 [JobControl] INFO org.apache.hadoop.mapreduce.Job
- The url to track the job:
http://quickstart.cloudera:8088/proxy/application_1758605977300_0012/
2025-09-22 23:33:49,001 [main] INFO
org.apache.pig.backend.hadoop.executionengine.mapReduceLayer.MapReduceLaunc
her - HadoopJobId: job_1758605977300_0012
2025-09-22 23:33:49,001 [main] INFO
org.apache.pig.backend.hadoop.executionengine.mapReduceLayer.MapReduceLaunc
her - Processing aliases sorted
2025-09-22 23:33:49,001 [main] INFO
org.apache.pig.backend.hadoop.executionengine.mapReduceLayer.MapReduceLaunc
her - detailed locations: M: sorted[14,9] C: R:
2025-09-22 23:33:49,001 [main] INFO
org.apache.pig.backend.hadoop.executionengine.mapReduceLayer.MapReduceLaunc
her - More information at:
http://localhost:50030/jobdetails.jsp?jobid=job_1758605977300_0012
2025-09-22 23:34:18,111 [main] INFO
org.apache.pig.backend.hadoop.executionengine.mapReduceLayer.MapReduceLaunc
her - 83% complete
2025-09-22 23:34:34,740 [main] INFO
org.apache.pig.backend.hadoop.executionengine.mapReduceLayer.MapReduceLaunc
her - 100% complete
2025-09-22 23:34:34,792 [main] INFO
org.apache.pig.tools.pigstats.SimplePigStats - Script Statistics:

```

HadoopVersion	PigVersion	UserId	StartedAt	FinishedAt	Features
2.6.0-cdh5.4.2	0.12.0-cdh5.4.2	cloudera	2025-09-22 23:32:04		
2025-09-22 23:34:34	ORDER_BY				

Success!

Job Stats (time in seconds):

JobId	Maps	Reduces	MaxMapTime	MinMapTime	AvgMapTime	MedianMapTime
			MaxReduceTime	MinReduceTime	AvgReduceTime	MedianReducetime
	Alias	Feature	Outputs			

job_1758605977300_0010	1	0	10	10	10	10	n/a	n/a	n/a
n/a employees	MAP_ONLY								
job_1758605977300_0011	1	1	12	12	12	12	17	17	17
17 sorted	SAMPLER								
job_1758605977300_0012	1	1	10	10	10	10	11	11	11
11 sorted	ORDER_BY								

hdfs://quickstart.cloudera:8020/tmp/temp663079967/tmp-2080721511,

Input(s):
 Successfully read 5 records (459 bytes) from:
 "/user/pig/data/employees.csv"

Output(s):
 Successfully stored 5 records (100 bytes) in:
 "hdfs://quickstart.cloudera:8020/tmp/temp663079967/tmp-2080721511"

Counters:
 Total records written : 5
 Total bytes written : 100
 Spillable Memory Manager spill count : 0
 Total bags proactively spilled: 0
 Total records proactively spilled: 0

Job DAG:
 job_1758605977300_0010 -> job_1758605977300_0011,
 job_1758605977300_0011 -> job_1758605977300_0012,
 job_1758605977300_0012

```
2025-09-22 23:34:35,809 [main] INFO org.apache.hadoop.ipc.Client -
Retrying connect to server: quickstart.cloudera/10.0.2.15:48981. Already
tried 0 time(s); retry policy is
RetryUpToMaximumCountWithFixedSleep(maxRetries=3, sleepTime=1000
MILLISECONDS)
2025-09-22 23:34:36,812 [main] INFO org.apache.hadoop.ipc.Client -
Retrying connect to server: quickstart.cloudera/10.0.2.15:48981. Already
tried 1 time(s); retry policy is
RetryUpToMaximumCountWithFixedSleep(maxRetries=3, sleepTime=1000
MILLISECONDS)
2025-09-22 23:34:37,813 [main] INFO org.apache.hadoop.ipc.Client -
Retrying connect to server: quickstart.cloudera/10.0.2.15:48981. Already
tried 2 time(s); retry policy is
RetryUpToMaximumCountWithFixedSleep(maxRetries=3, sleepTime=1000
```


MILLISECONDS)

2025-09-22 23:34:37,933 [main] INFO

org.apache.hadoop.mapred.ClientServiceDelegate - Application state is completed. FinalApplicationStatus=SUCCEEDED. Redirecting to job history server

2025-09-22 23:34:47,761 [main] INFO org.apache.hadoop.ipc.Client -

Retrying connect to server: quickstart.cloudera/10.0.2.15:34075. Already tried 0 time(s); retry policy is

RetryUpToMaximumCountWithFixedSleep(maxRetries=3, sleepTime=1000

MILLISECONDS)

2025-09-22 23:34:48,763 [main] INFO org.apache.hadoop.ipc.Client -

Retrying connect to server: quickstart.cloudera/10.0.2.15:34075. Already tried 1 time(s); retry policy is

RetryUpToMaximumCountWithFixedSleep(maxRetries=3, sleepTime=1000

MILLISECONDS)

2025-09-22 23:34:49,764 [main] INFO org.apache.hadoop.ipc.Client -

Retrying connect to server: quickstart.cloudera/10.0.2.15:34075. Already tried 2 time(s); retry policy is

RetryUpToMaximumCountWithFixedSleep(maxRetries=3, sleepTime=1000

MILLISECONDS)

2025-09-22 23:34:49,875 [main] INFO

org.apache.hadoop.mapred.ClientServiceDelegate - Application state is completed. FinalApplicationStatus=SUCCEEDED. Redirecting to job history server

2025-09-22 23:34:51,552 [main] INFO org.apache.hadoop.ipc.Client -

Retrying connect to server: quickstart.cloudera/10.0.2.15:56778. Already tried 0 time(s); retry policy is

RetryUpToMaximumCountWithFixedSleep(maxRetries=3, sleepTime=1000

MILLISECONDS)

2025-09-22 23:34:52,560 [main] INFO org.apache.hadoop.ipc.Client -

Retrying connect to server: quickstart.cloudera/10.0.2.15:56778. Already tried 1 time(s); retry policy is

RetryUpToMaximumCountWithFixedSleep(maxRetries=3, sleepTime=1000

MILLISECONDS)

2025-09-22 23:34:53,570 [main] INFO org.apache.hadoop.ipc.Client -

Retrying connect to server: quickstart.cloudera/10.0.2.15:56778. Already tried 2 time(s); retry policy is

RetryUpToMaximumCountWithFixedSleep(maxRetries=3, sleepTime=1000

MILLISECONDS)

2025-09-22 23:34:53,675 [main] INFO

org.apache.hadoop.mapred.ClientServiceDelegate - Application state is completed. FinalApplicationStatus=SUCCEEDED. Redirecting to job history server


```
2025-09-22 23:34:53,939 [main] INFO
org.apache.pig.backend.hadoop.executionengine.mapReduceLayer.MapReduceLaunc
her - Success!
2025-09-22 23:34:53,940 [main] INFO
org.apache.hadoop.conf.Configuration.deprecation - fs.default.name is
deprecated. Instead, use fs.defaultFS
2025-09-22 23:34:53,940 [main] INFO
org.apache.hadoop.conf.Configuration.deprecation - mapred.job.tracker is
deprecated. Instead, use mapreduce.jobtracker.address
2025-09-22 23:34:53,941 [main] INFO org.apache.pig.data.SchemaTupleBackend
- Key [pig.schematuple] was not set... will not generate code.
2025-09-22 23:34:53,956 [main] INFO
org.apache.hadoop.mapreduce.lib.input.FileInputFormat - Total input paths
to process : 1
2025-09-22 23:34:53,956 [main] INFO
org.apache.pig.backend.hadoop.executionengine.util.MapRedUtil - Total input
paths to process : 1
(3,Carol,10,70000)
(1,Alice,10,60000)
(5,Eva,20,55000)
(2,Bob,20,50000)
(4,David,30,40000)
```