

```

using System;

namespace WebApplication14
{
    public partial class WebForm4 : System.Web.UI.Page
    {
        protected void Page_Load(object sender, EventArgs e)
        {
        }

        protected void SubmitButton_Click(object sender, EventArgs e)
        {
            try
            {
                int number = int.Parse(InputTextBox.Text);
                if (number < 0)
                {
                    throw new NegativeNumberException("Negative numbers are not
allowed.");
                }
                ResultLabel.Text = $"You entered: {number}";
            }
            catch (NegativeNumberException ex)
            {
                ResultLabel.Text = ex.Message;
                ResultLabel.ForeColor = System.Drawing.Color.Red;
            }
            catch (FormatException)
            {
                ResultLabel.Text = "Please enter a valid integer.";
                ResultLabel.ForeColor = System.Drawing.Color.Red;
            }
            catch (Exception ex)
            {
                ResultLabel.Text = $"An error occurred: {ex.Message}";
                ResultLabel.ForeColor = System.Drawing.Color.Red;
            }
        }
    }

    // User-defined exception
    public class NegativeNumberException : Exception
    {
        public NegativeNumberException(string message) : base(message)
        {
        }
    }
}

```