.NET Lab Exam Execution:

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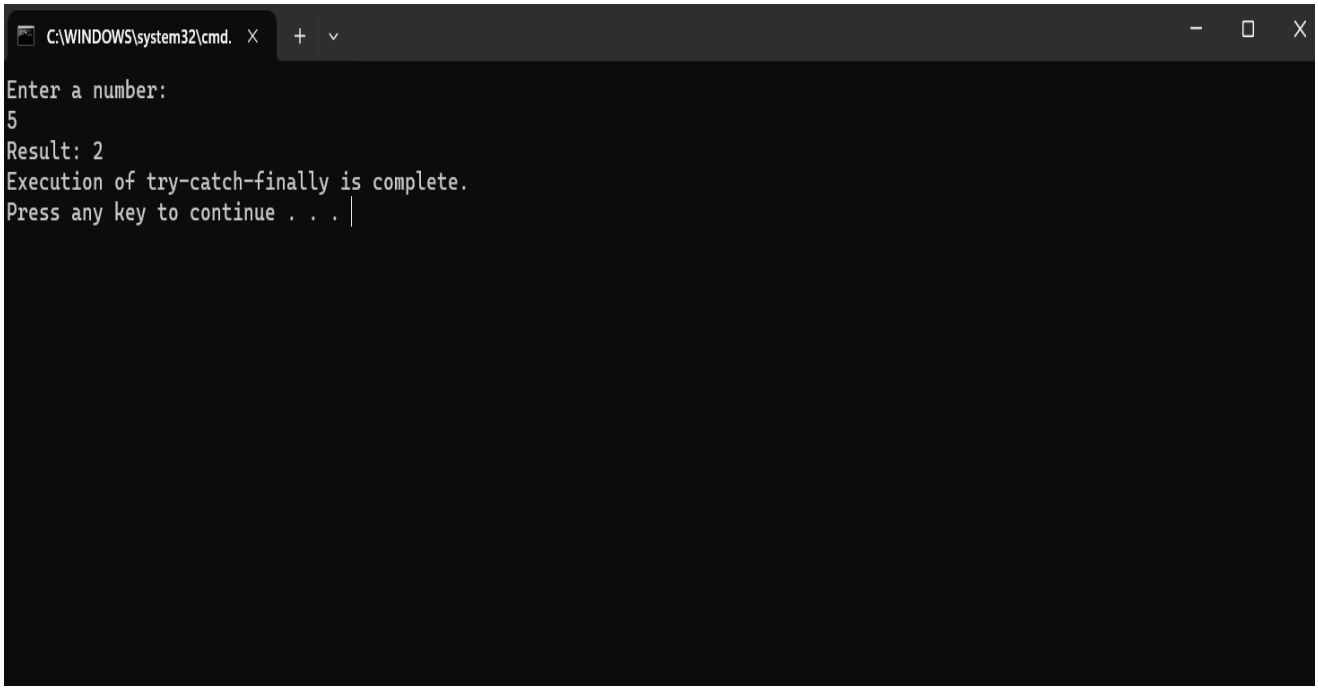
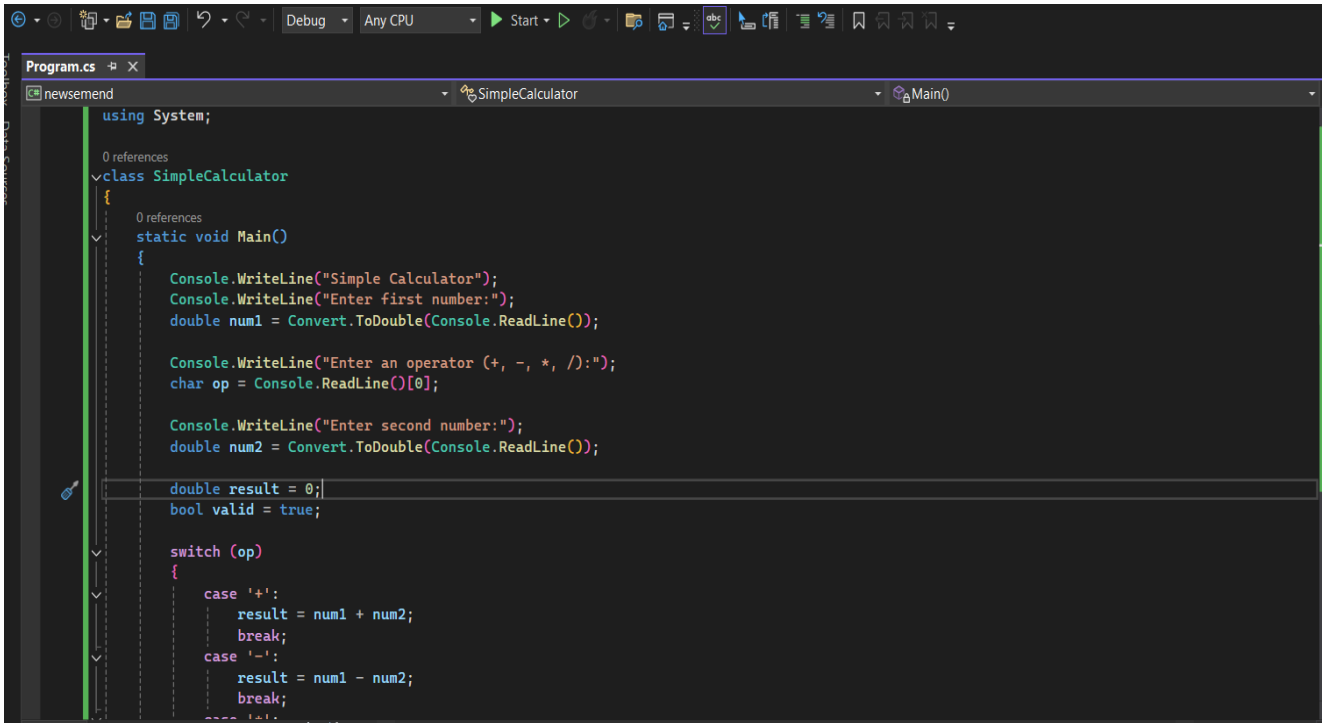
1)

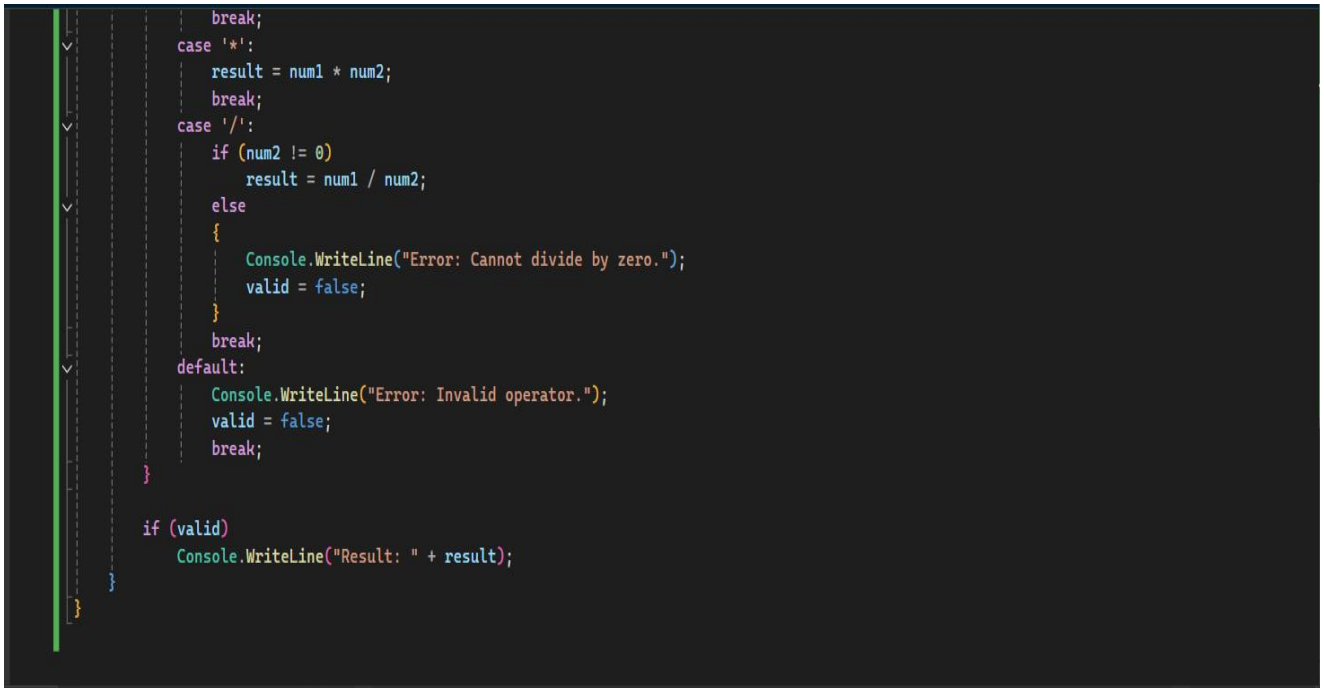
```
using System;

0 references
class ExceptionDemo
{
    0 references
    static void Main()
    {
        try
        {
            Console.WriteLine("Enter a number: ");
            int num = Convert.ToInt32(Console.ReadLine());
            Console.WriteLine("Result: " + (10 / num));
        }
        catch (DivideByZeroException)
        {
            Console.WriteLine("Error: Cannot divide by zero.");
        }
        catch (FormatException)
        {
            Console.WriteLine("Error: Invalid input. Please enter a numeric value.");
        }
        finally
        {
            Console.WriteLine("Execution of try-catch-finally is complete.");
        }
    }
}
```

OUTPUT:

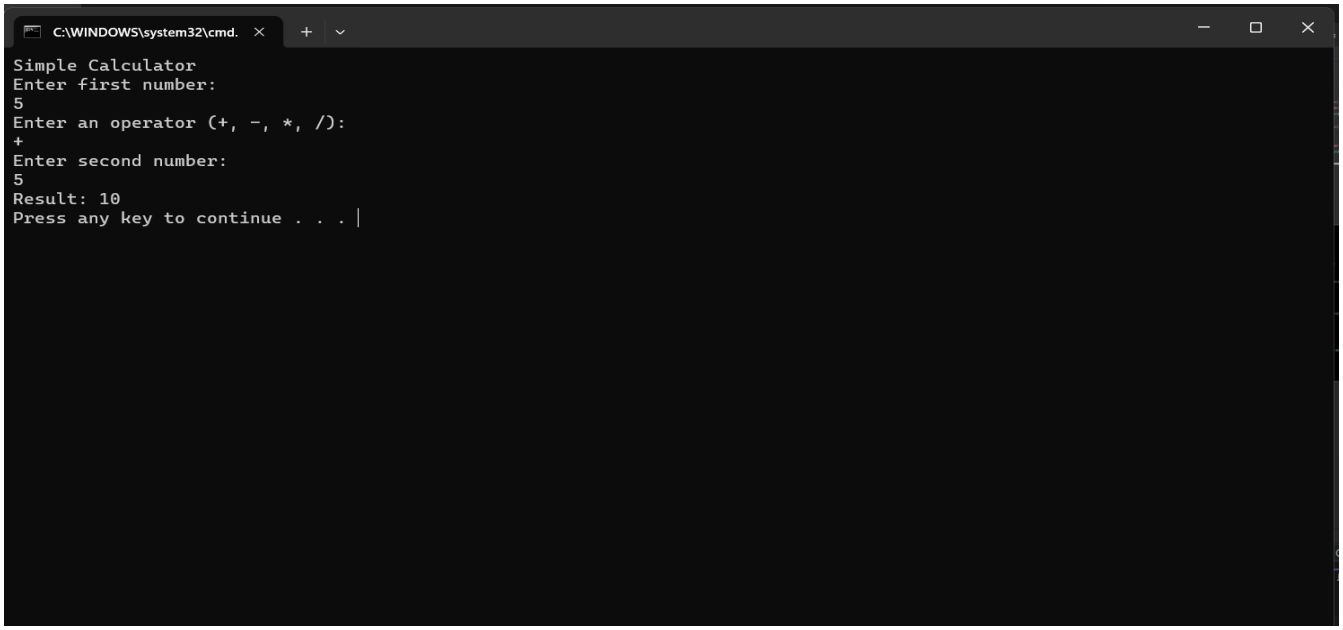


2)


Debug
Any CPU
Start
Program.cs
newsemend
SimpleCalculator
Main()
using System;
0 references
class SimpleCalculator
{
0 references
static void Main()
{
Console.WriteLine("Simple Calculator");
Console.WriteLine("Enter first number:");
double num1 = Convert.ToDouble(Console.ReadLine());
Console.WriteLine("Enter an operator (+, -, *, /):");
char op = Console.ReadLine()[0];
Console.WriteLine("Enter second number:");
double num2 = Convert.ToDouble(Console.ReadLine());
double result = 0;
bool valid = true;
switch (op)
{
case '+':
result = num1 + num2;
break;
case '-':
result = num1 - num2;
break;


break;
case '*':
result = num1 * num2;
break;
case '/':
if (num2 != 0)
result = num1 / num2;
else
{
Console.WriteLine("Error: Cannot divide by zero.");
valid = false;
}
break;
default:
Console.WriteLine("Error: Invalid operator.");
valid = false;
break;
}
if (valid)
Console.WriteLine("Result: " + result);
}
}

OUTPUT:


C:\WINDOWS\system32\cmd.
Simple Calculator
Enter first number:
5
Enter an operator (+, -, *, /):
+
Enter second number:
5
Result: 10
Press any key to continue . . .