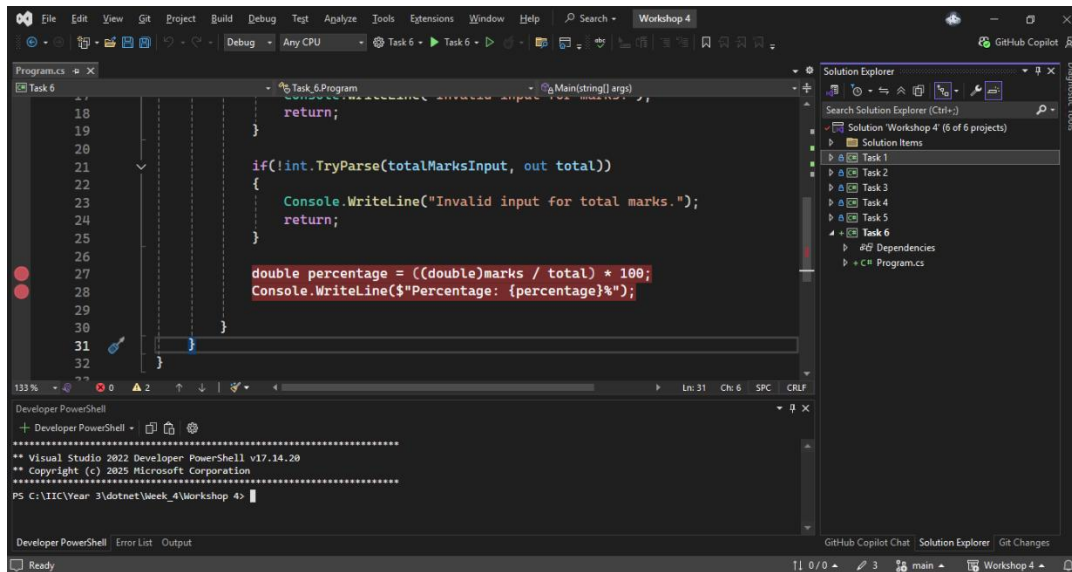
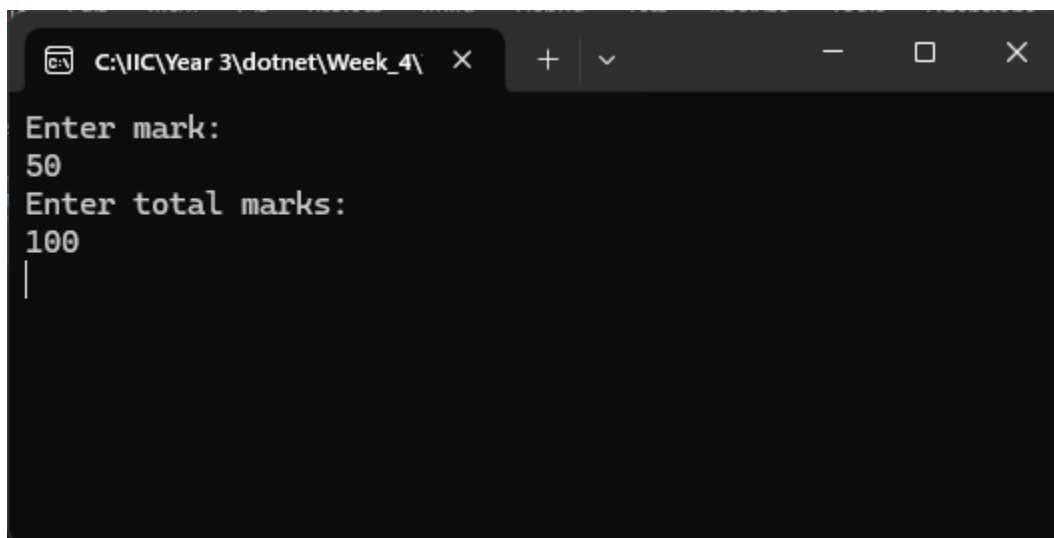


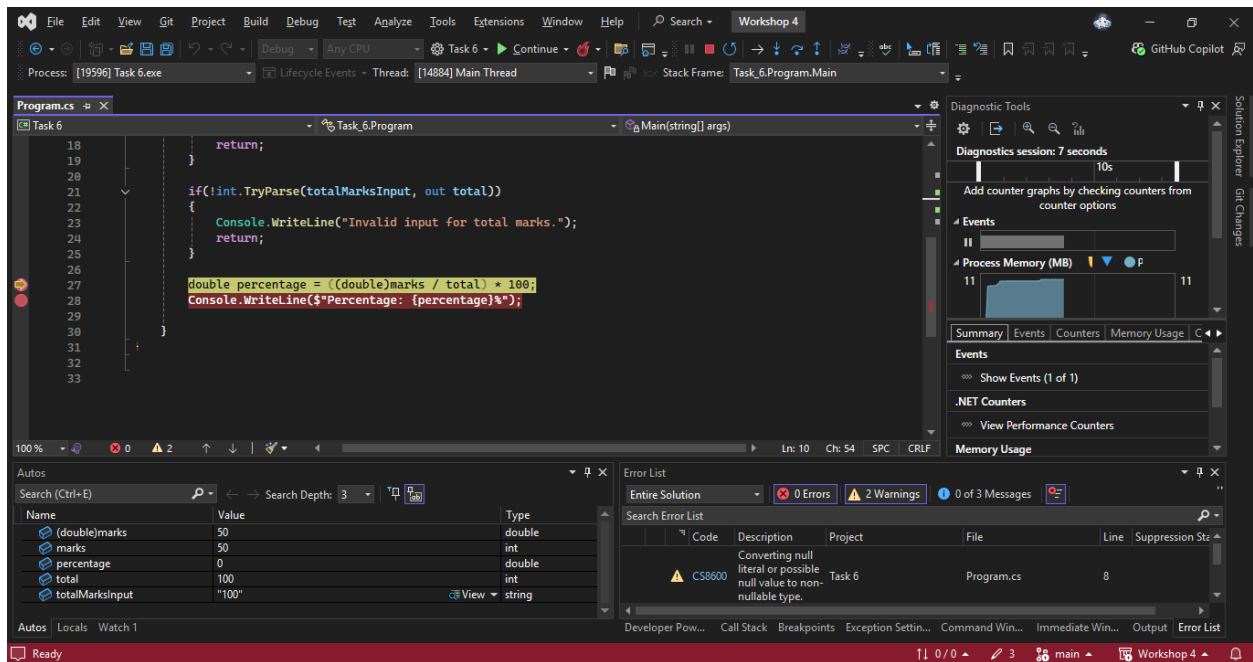
Task 6:

Setting up two breakpoints and clicking f5 to start debugging.

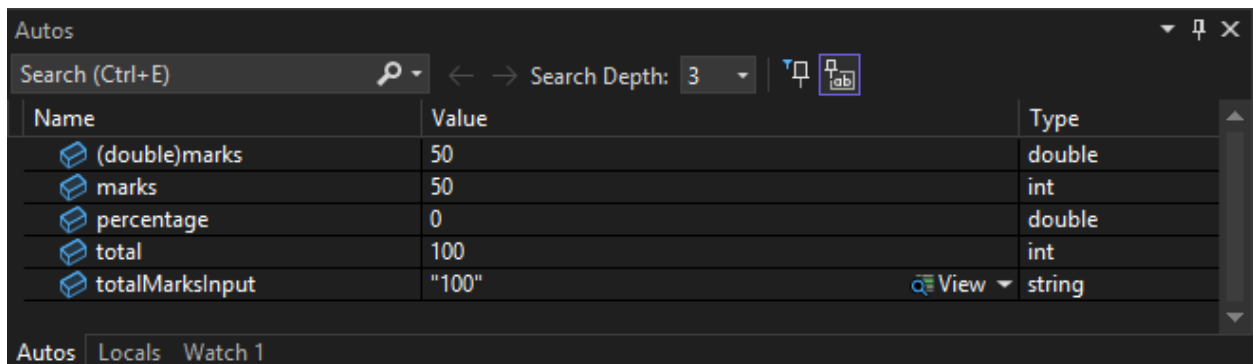


Entering values

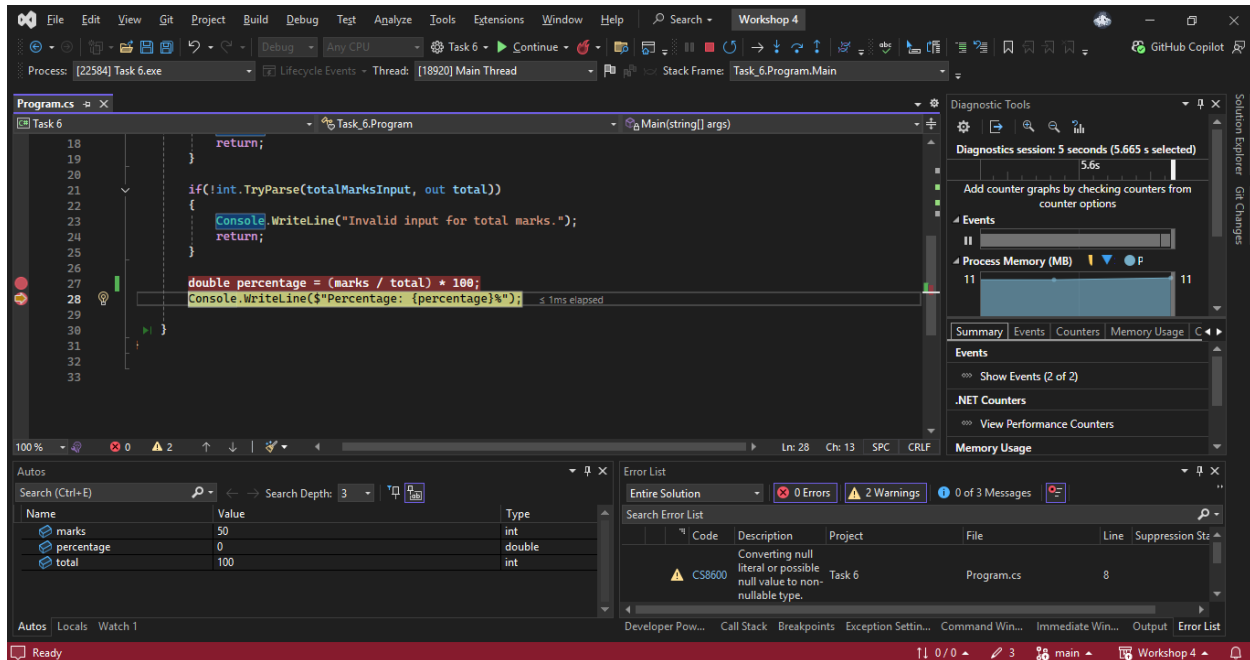




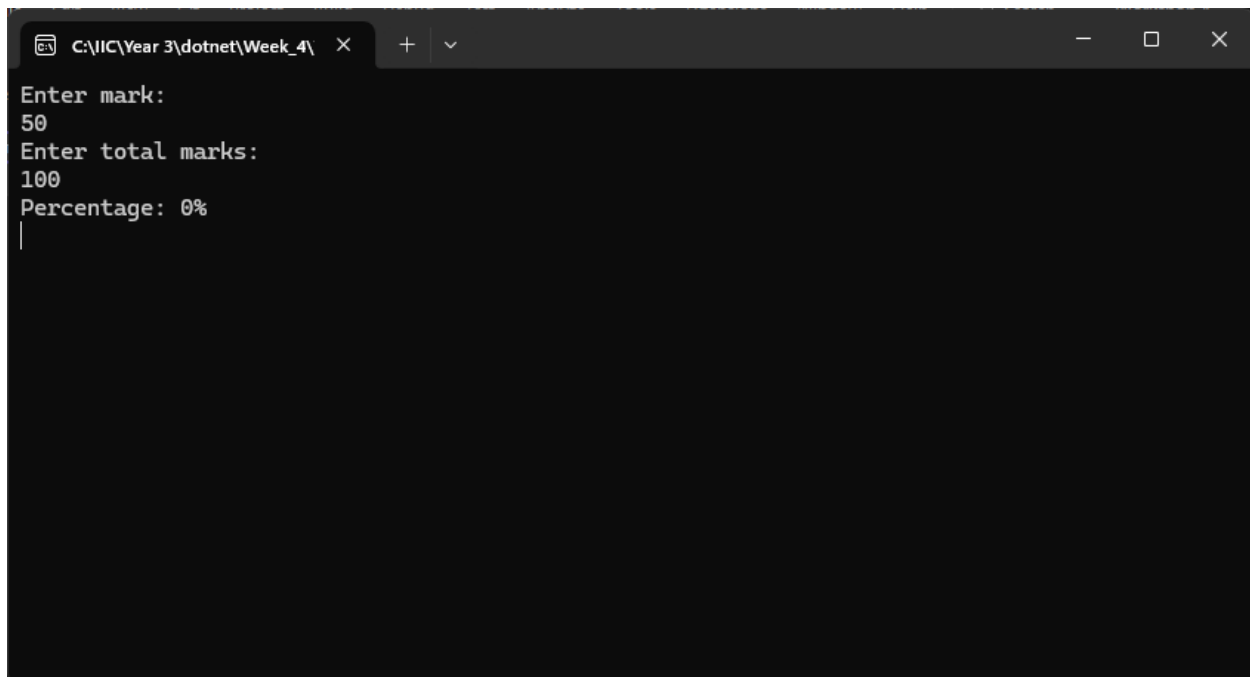
Observing the value:



After that, I clicked on F10 to execute next line.



After executing all lines, I checked the output values but the output was 0% which is wrong.

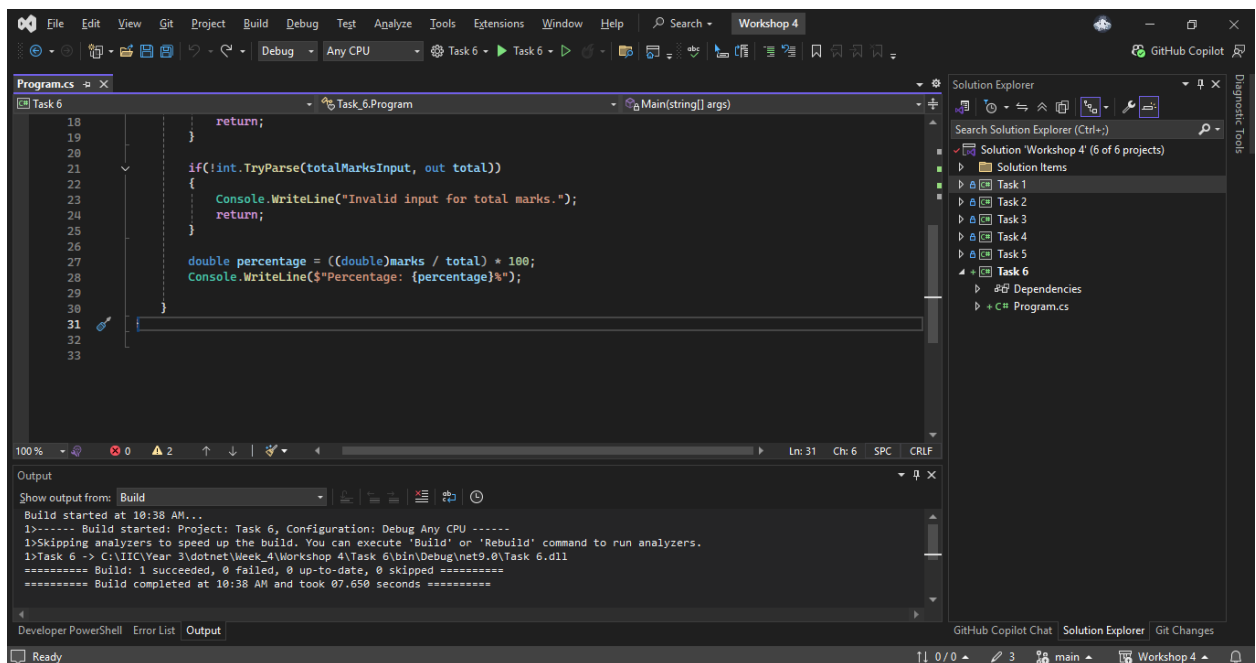


1. Why is the output incorrect?

- It was wrong because both inputs were on integer. So the calculation was done in integer too. C# performs calculation of integer division as it is which will remove any decimal values. So we got 0 as output.

2. How can we correct the program?

- We can correct the program by doing decimal calculations instead of just integer division.



The screenshot shows the Visual Studio IDE with a C# program in the main editor and its build output in the Output window.

Program.cs Code:

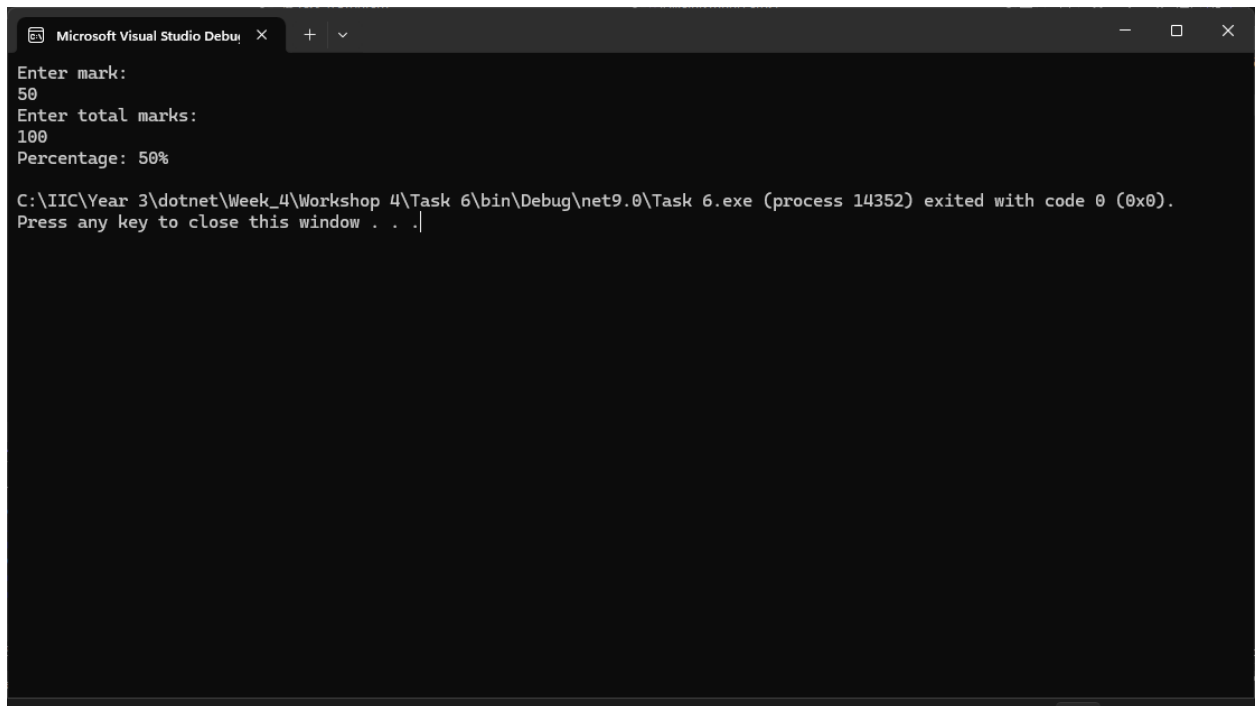
```
18         return;  
19     }  
20  
21     if(!int.TryParse(totalMarksInput, out total))  
22     {  
23         Console.WriteLine("Invalid input for total marks.");  
24         return;  
25     }  
26  
27     double percentage = ((double)marks / total) * 100;  
28     Console.WriteLine($"Percentage: {percentage}%");  
29  
30 }  
31  
32  
33
```

Build Output:

```
Show output from: Build  
Build started at 10:38 AM...  
1>----- Build started: Project: Task 6, Configuration: Debug Any CPU -----  
1>Skipping analyzers to speed up the build. You can execute 'Build' or 'Rebuild' command to run analyzers.  
1>Task 6 -> C:\IITC\Year 3\dotnet\Week 4\Workshop 4\Task 6\bin\Debug\net9.0\Task 6.dll  
----- Build: 1 succeeded, 0 failed, 0 up-to-date, 0 skipped -----  
----- Build completed at 10:38 AM and took 07.650 seconds -----
```

The Solution Explorer on the right shows a project named 'Task 6' with a file 'Program.cs'.

Correct answer:



The image shows a screenshot of a Visual Studio Debug Console window. The window has a dark theme and a title bar that reads "Microsoft Visual Studio Debug Console". The console output shows the following text:

```
Enter mark:  
50  
Enter total marks:  
100  
Percentage: 50%  
  
C:\IIC\Year 3\dotnet\Week_4\Workshop 4\Task 6\bin\Debug\net9.0\Task 6.exe (process 14352) exited with code 0 (0x0).  
Press any key to close this window . . .|
```

