

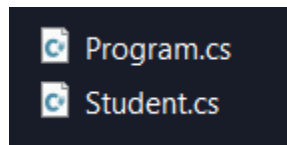
Walkthrough

To successfully run the C# program described in the report, follow the steps below. These instructions cover both local execution in Visual Studio Code (VS Code) and using an online compiler. Ensure you have the necessary files (Student.cs and Program.cs) and tools ready before proceeding.

Method 1: Running in Visual Studio Code

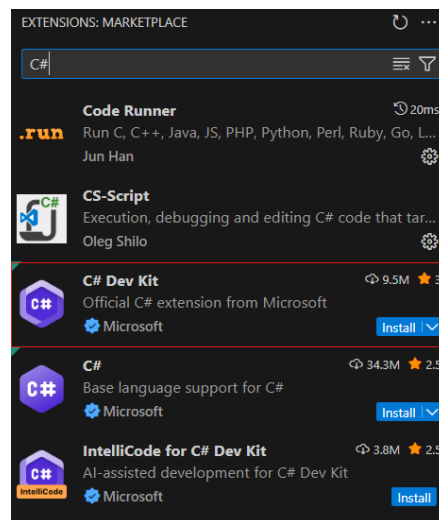
1. Prepare the Files

- Place both Student.cs and Program.cs files in the same folder on your computer.



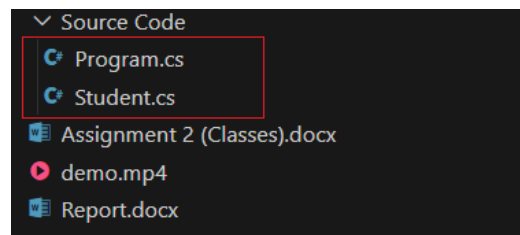
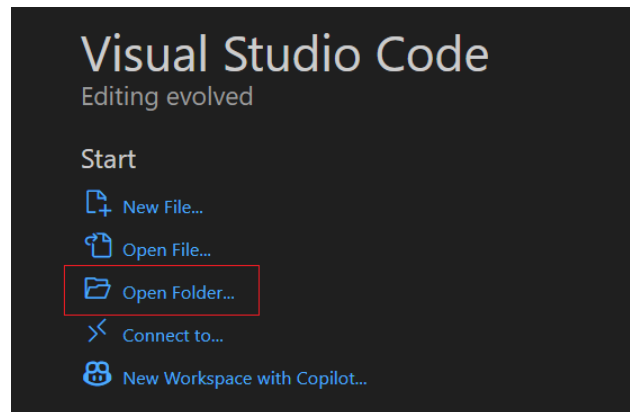
2. Set Up VS Code

- Open VS Code and ensure the C# Dev Kit extension (or at least the C# extension by Microsoft) is installed.



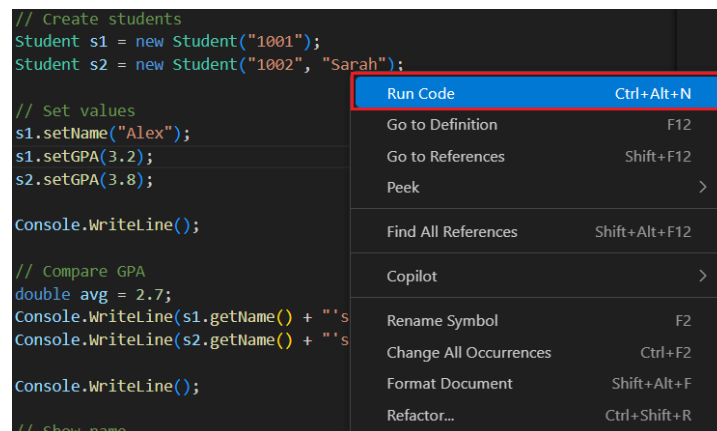
3. Open the Project Folder

- In VS Code, navigate to the folder containing the .cs files by selecting File > Open Folder.



4. Run the Program

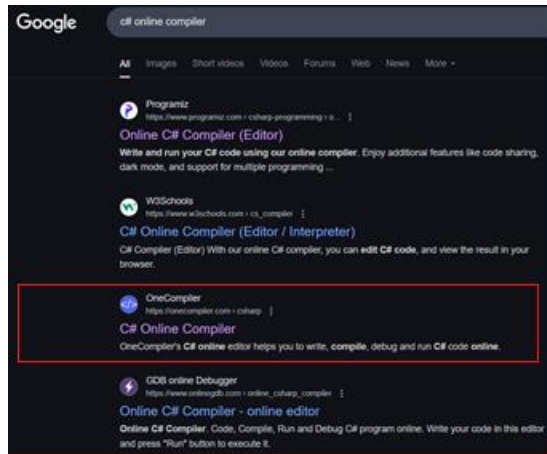
- Right-click anywhere in the editor or Explorer pane and select Run Code to execute the program. The output will be displayed in the terminal.



Method 2: Using an Online Compiler

1. Choose an Online Compiler

- Use platforms like OneCompiler, .NET Fiddle, or Replit that support C#.



2. Create the Required Files

- Rename or create two separate files:
 - Student.cs (for the Student class code).
 - Program.cs (for the Main method and program logic).



```
1 using System;
2 using System.Collections.Generic;
3 using System.Linq;
4 using System.Text.RegularExpressions;
5
6 namespace HelloWorld
7 {
8     public class Program
9     {
10         public static void Main(string[] args)
11         {
12             Console.WriteLine("Hello, World!");
13         }
14     }
15 }
```

Student.cs Program.cs +

3. Copy and Paste the Code

- Copy the respective code snippets from the report into the corresponding files in the online compiler.

4. Execute the Program

- Click the Run button to compile and execute the code. The output will be displayed on the screen.

