Setting up C# for Visual Studio Code

1. Download vscode (Visual Studio Code) here:
   https://code.visualstudio.com/download

2. Install C# plugins in vscode

   2.1.   Open vscode

   2.2.   go to "Extensions"
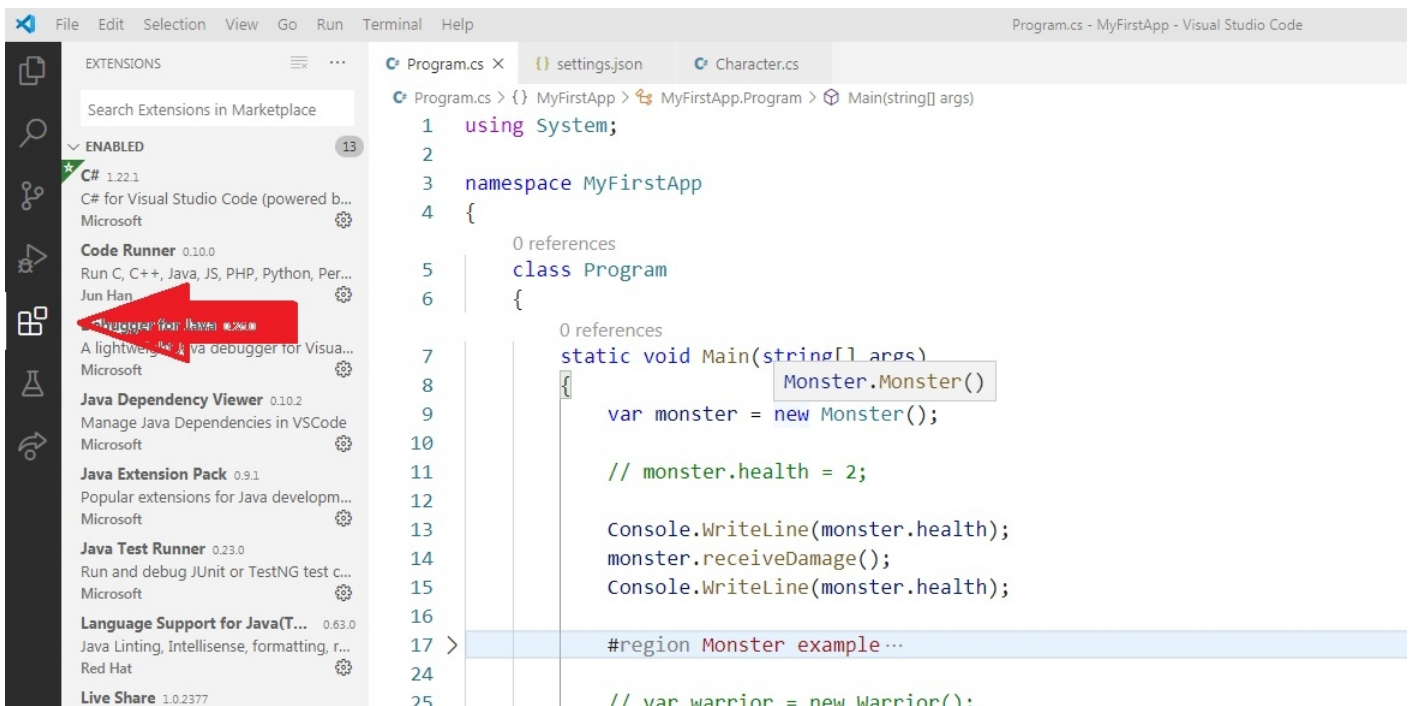
2.3. Search for C#
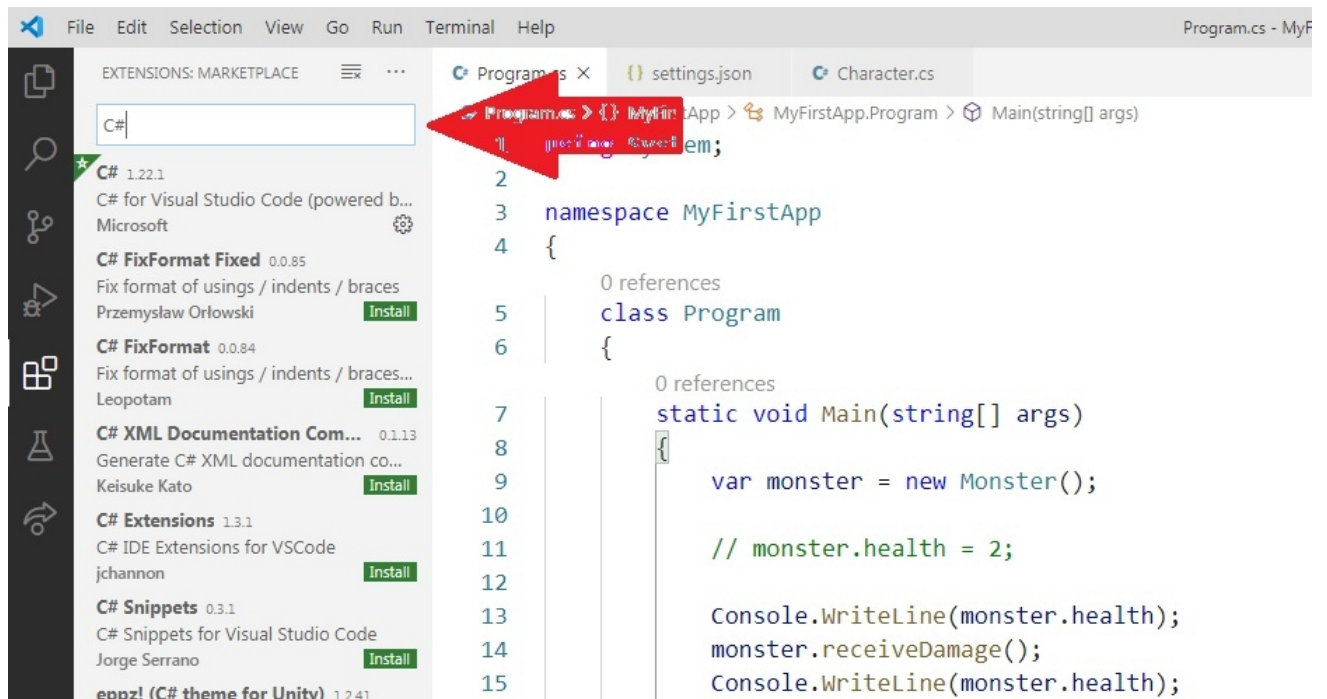
2.4.   Install "C#" which is the extension from Microsoft as you can see. Click on the green install button. I already installed it, so I have now a blue uninstall button. Wait until it installed completely. If it asks to reload, then reload.
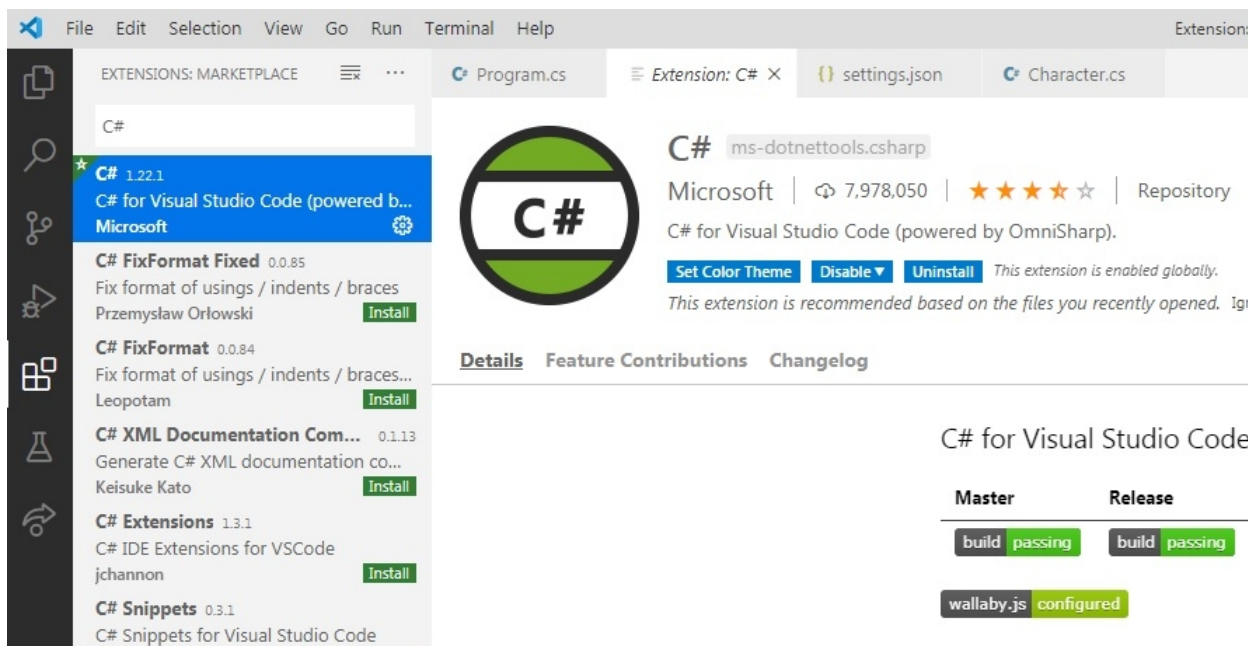
3. Install Code Runner

    3.1.   Search for "code runner" the same way you searched for the C# extension. Click on the green install button and wait until it installed completely. If it asks to reload, then reload.
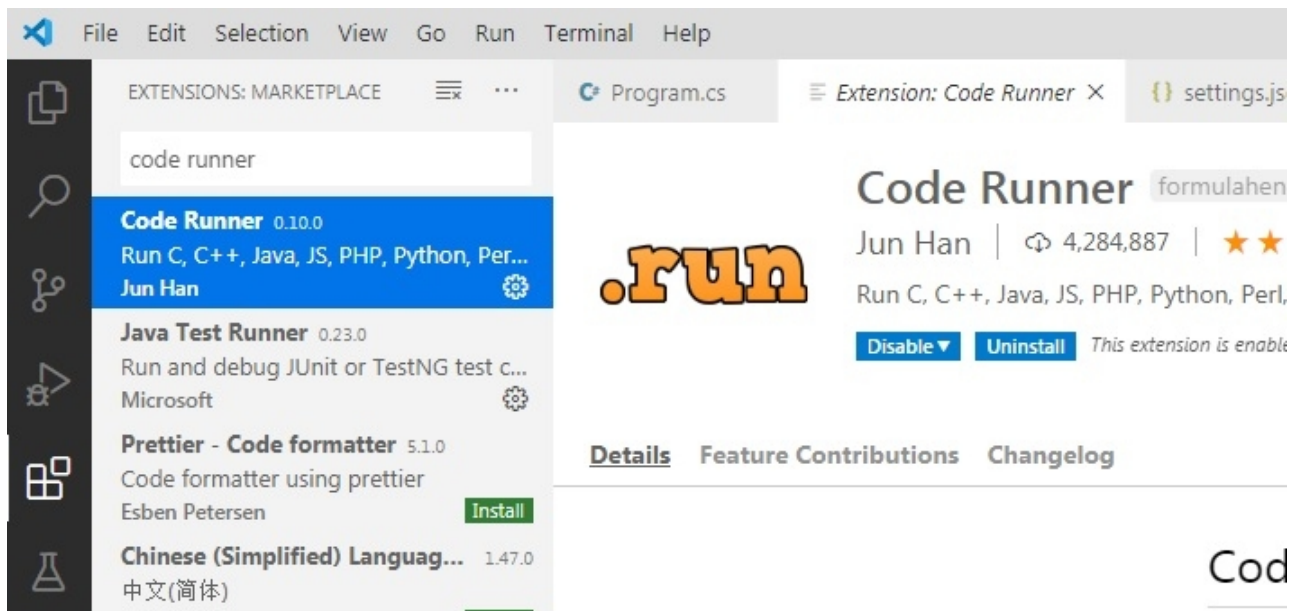

4. Install .NET SDK

    4.1.   If not the C# extension prompted you to install the .NET SDK, do it now. Go to: https://dotnet.microsoft.com/download/dotnet-core/sdk-for-vs-code?utm_source=vs-code&utm_medium=referral&utm_campaign=sdk-install

    4.2.   Install .NET Core 3.1 SDK

5. Tell Code Runner how to run your code

5.1. In your extensions, go to your installed code runner. By now your Code Runner should look like mine on the image, with blue buttons. Click on the gear wheel and then click on "Extension Settings".
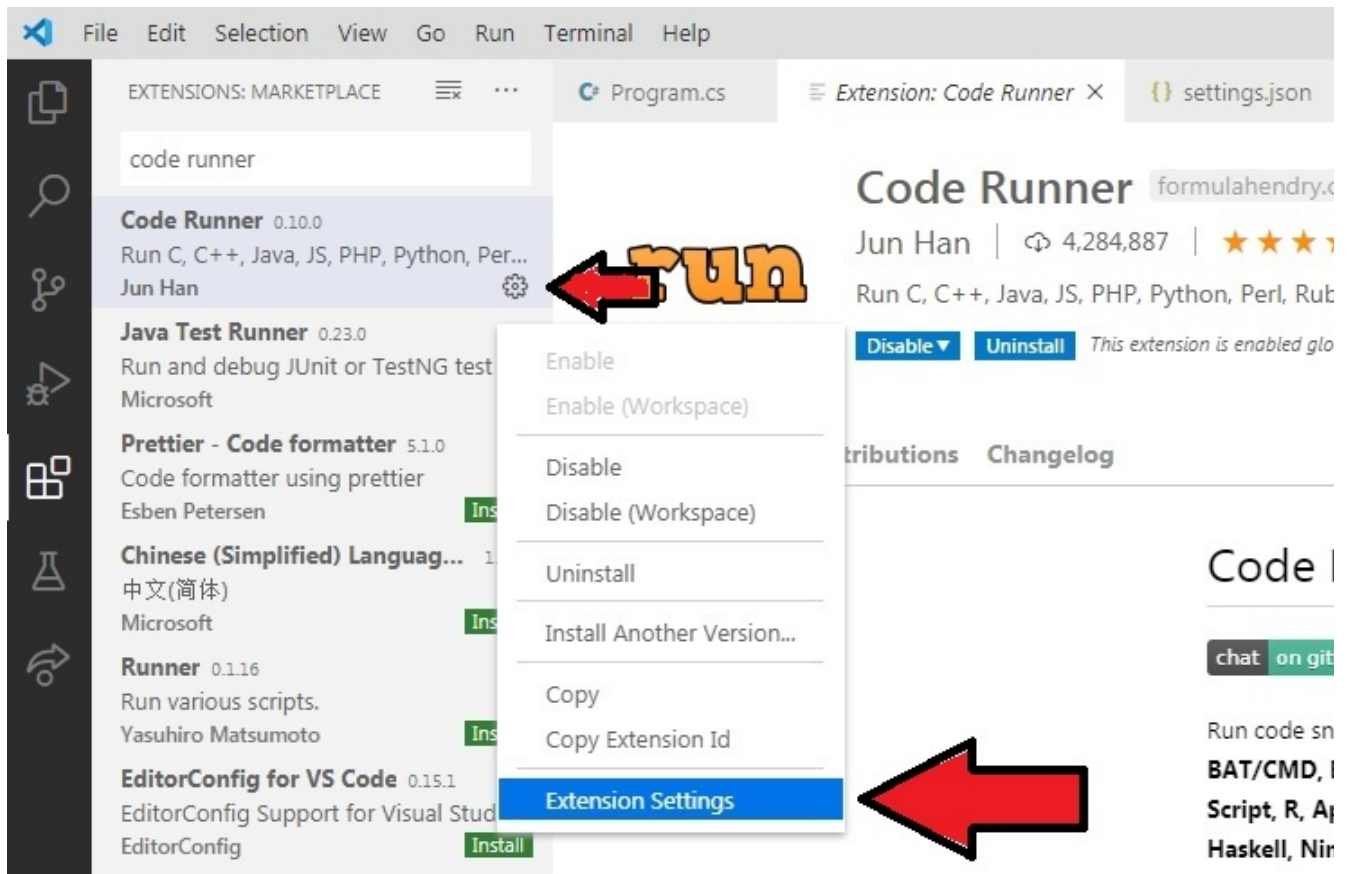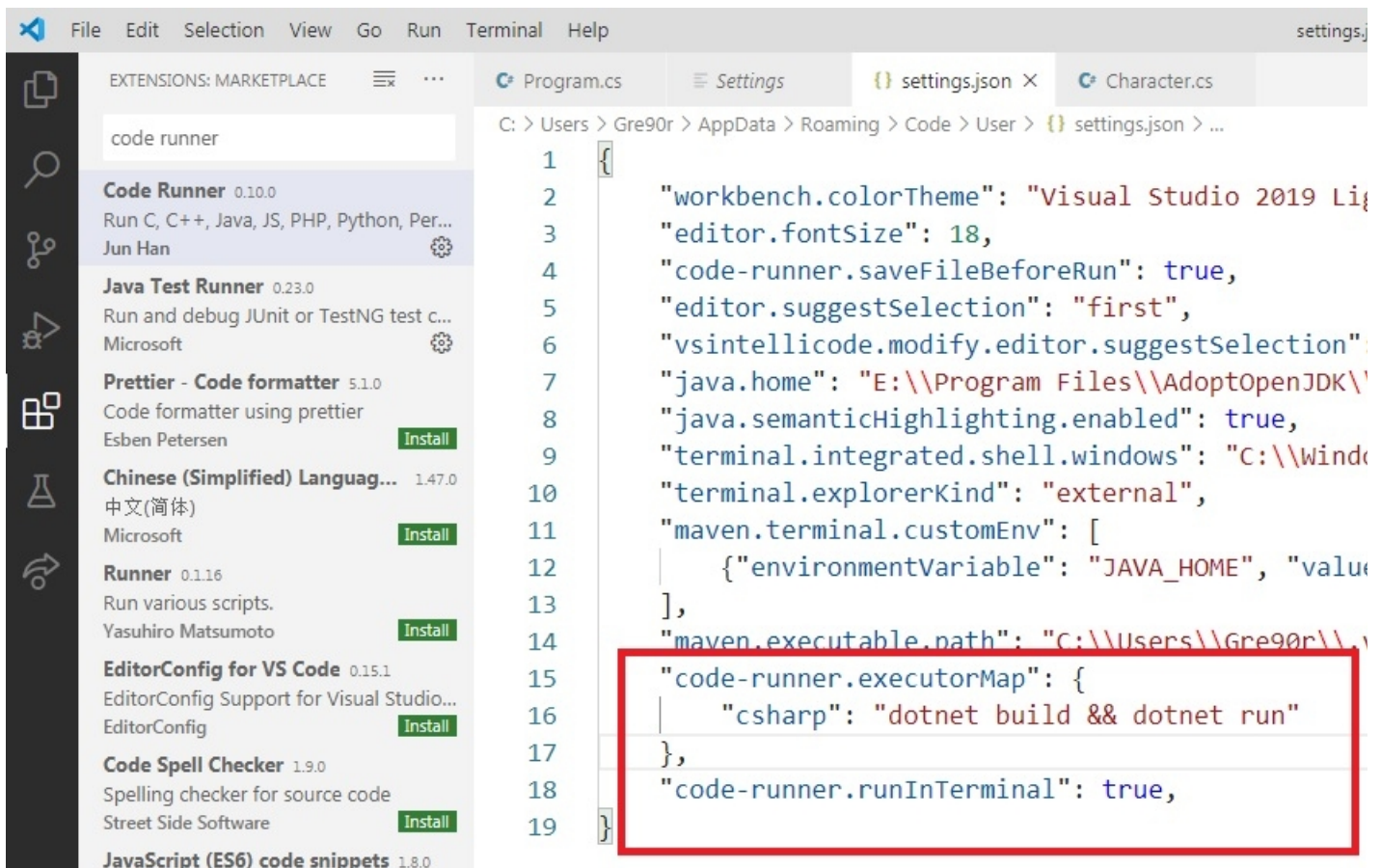
5.2.   Scroll a bit down to see the setting "Code-runner: Executor Map". In that area click on "Edit in settings.json".
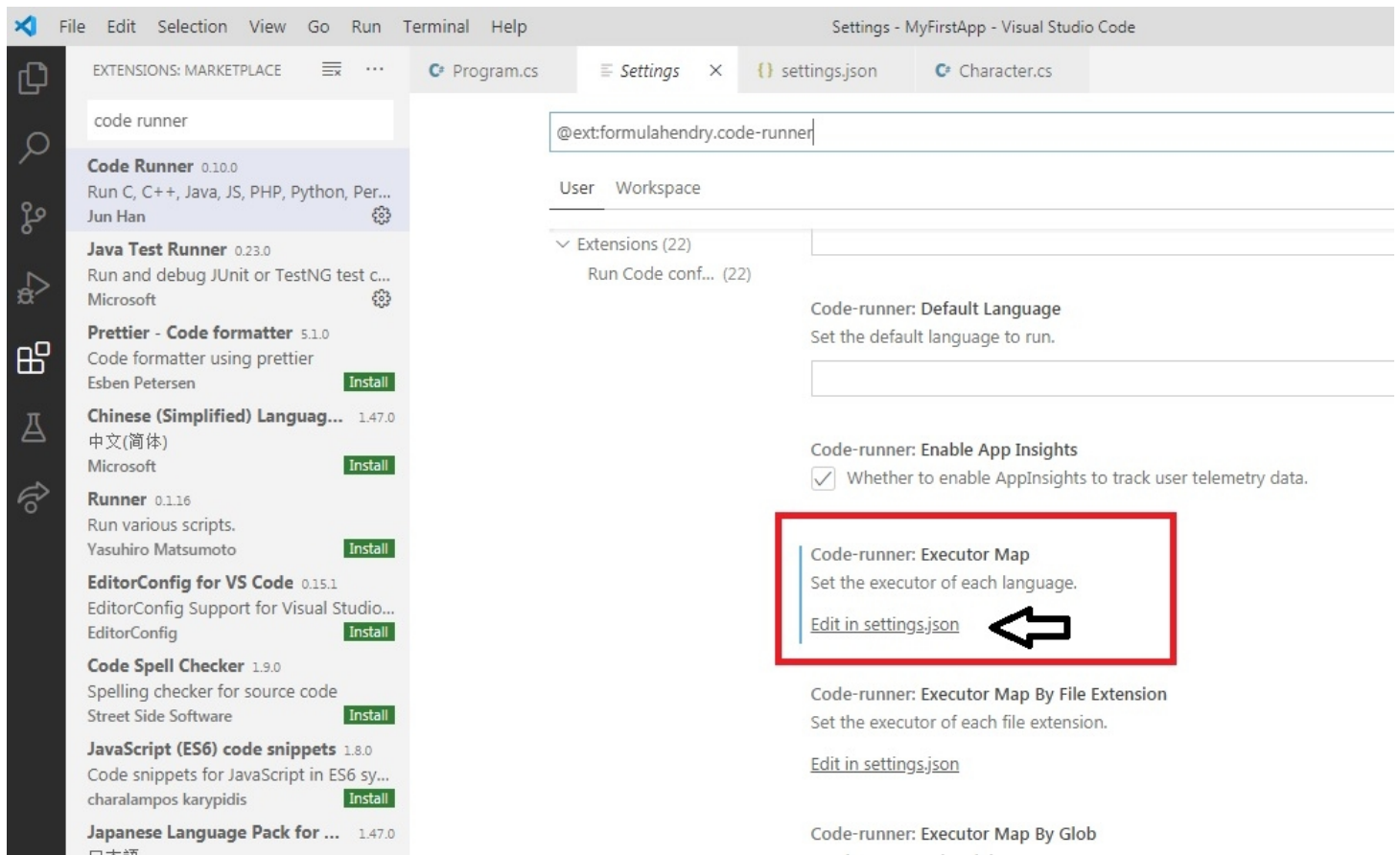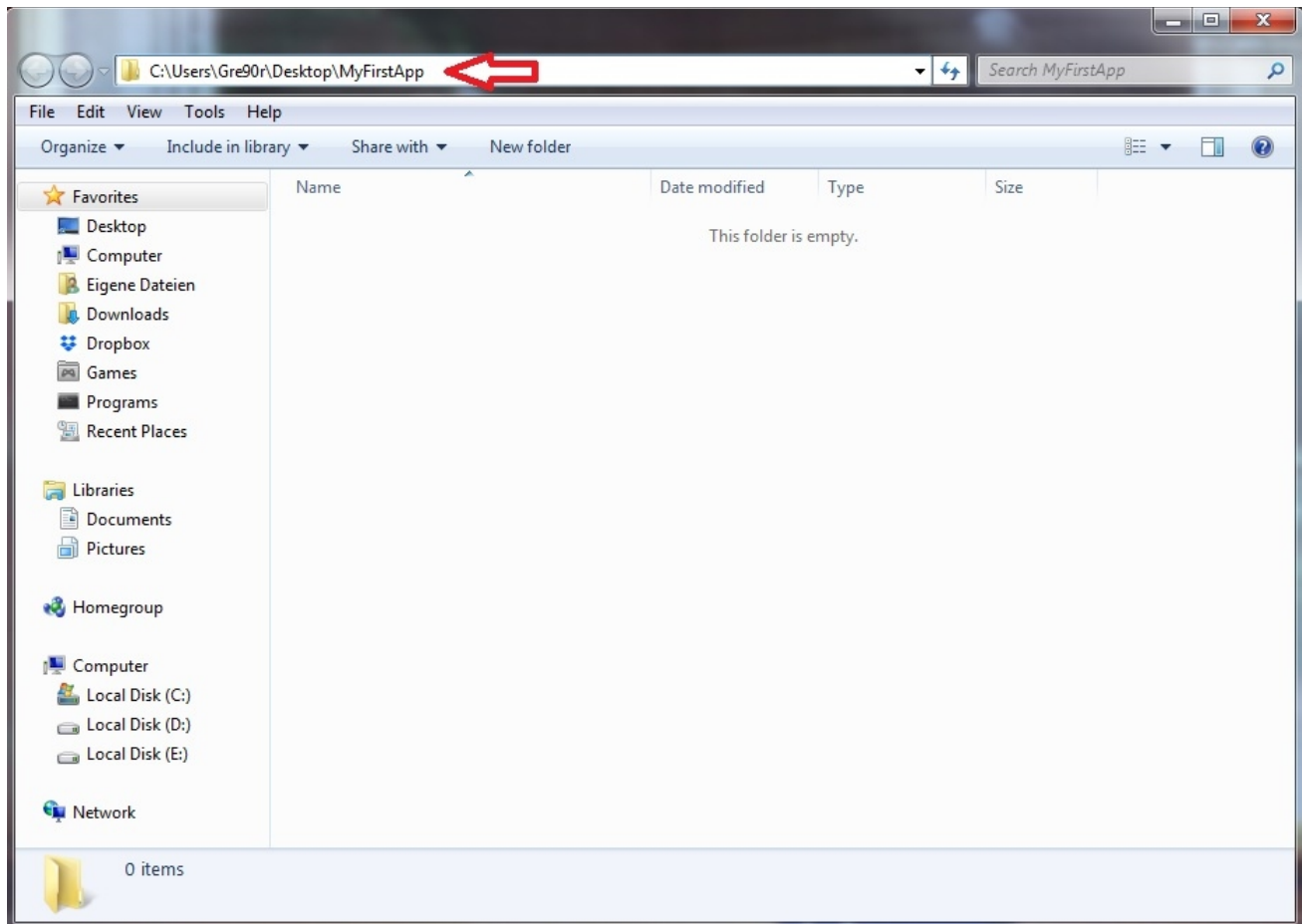
5.3.   Add the lines in the red box to your settings.json. Every bracket, colon and comma has to be written as shown in the image below.
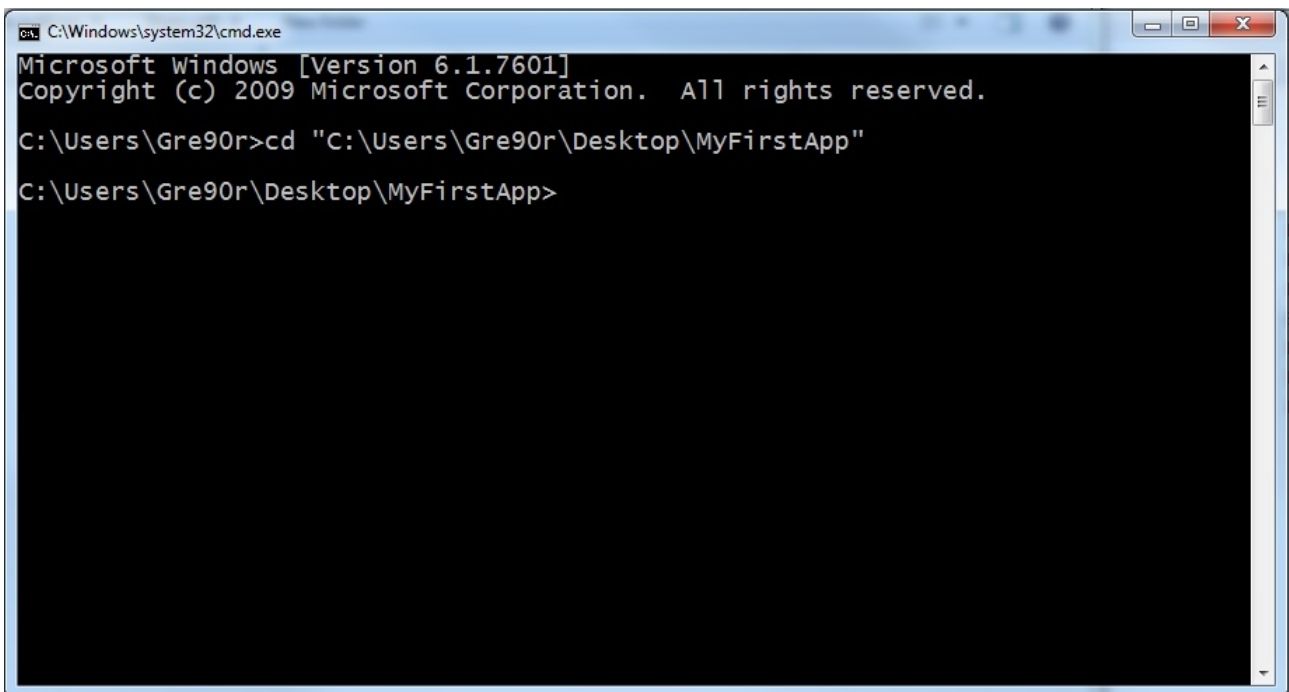

5.4.   Save settings.json by pressing CTRL+S

6. Creating a C# project

    6.1.   Open a new folder which name should be the project name. In my case, I opened a new folder named "MyFirstApp" on the Desktop.
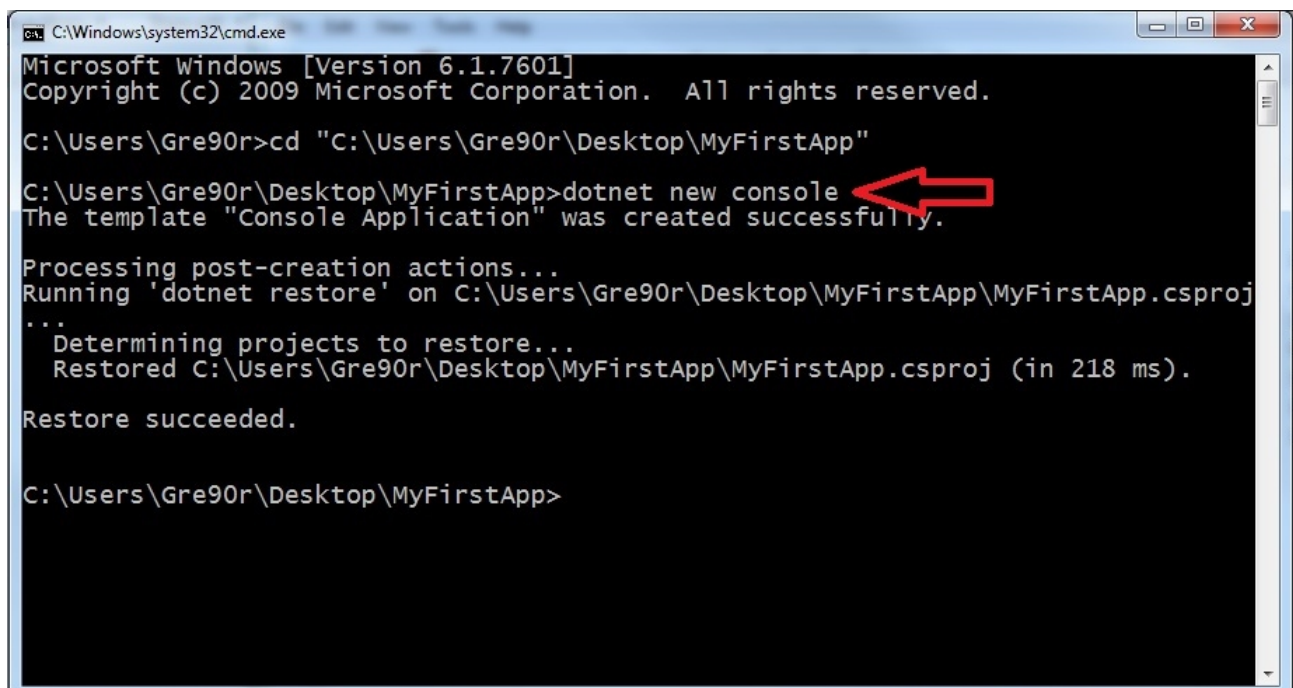
6.2.   Open a terminal in that path. Press windows key, enter "cmd.exe", hit enter. Now you want to navigate to your newly opened folder. In the terminal, enter cd "C:\Users\Gre90r\Desktop\MyFirstApp" . Type exactly what is inside the green textbox, with the quotes.

6.3.   Enter dotnet new console in terminal to create a new console application.

6.4.   A new C# project has been created and should look like this:
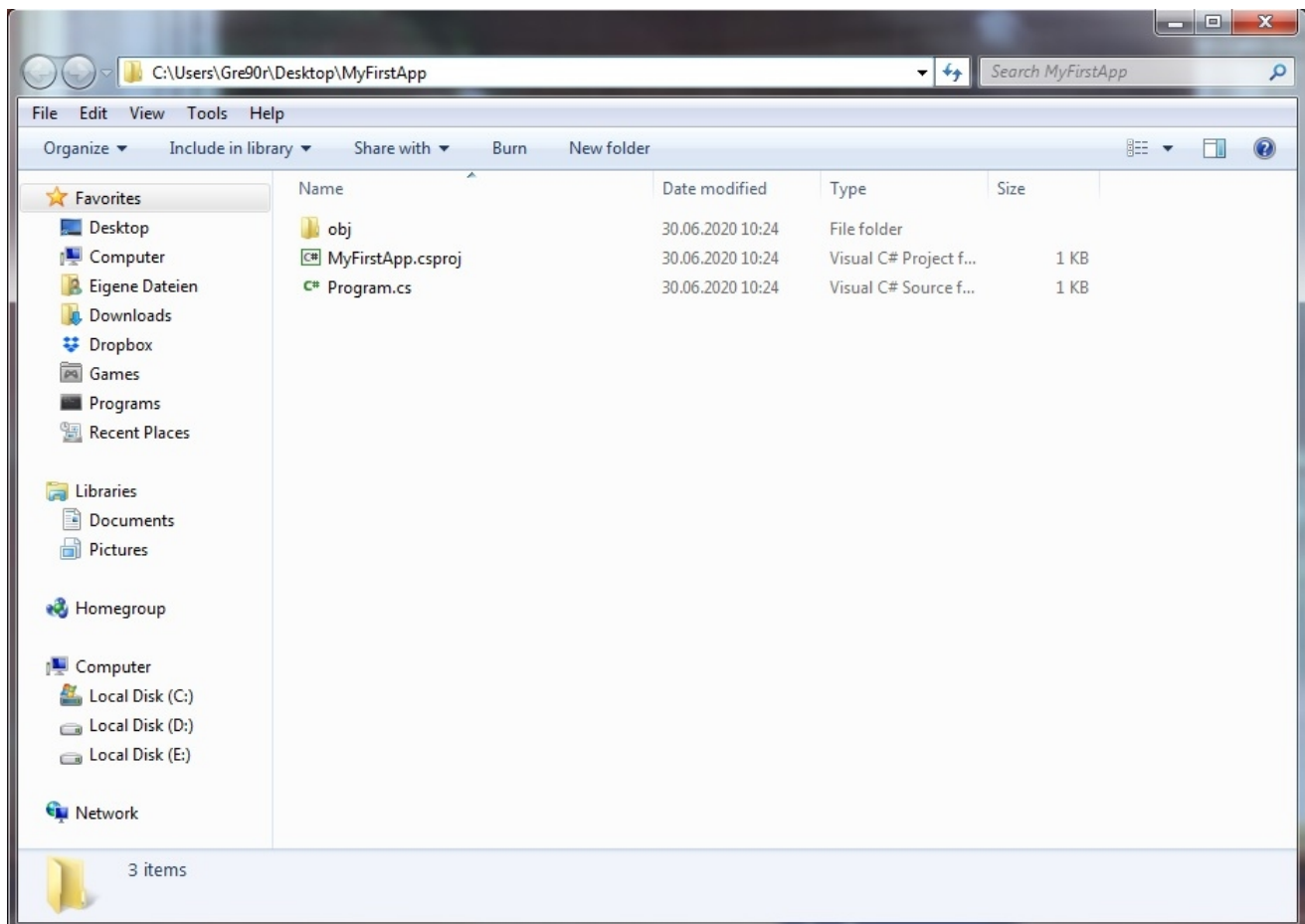


7. Open the project folder with vscode.

7.1.   Start vscode: press windows key, enter "visual studio code". It should be found. Click on "Visual Studio Code".

7.2.   In vscode, in top left corner, go to "File > Open Folder..."

7.3.   find your project folder "MyFirstApp" on the desktop. Click on it, then click "Select Folder".
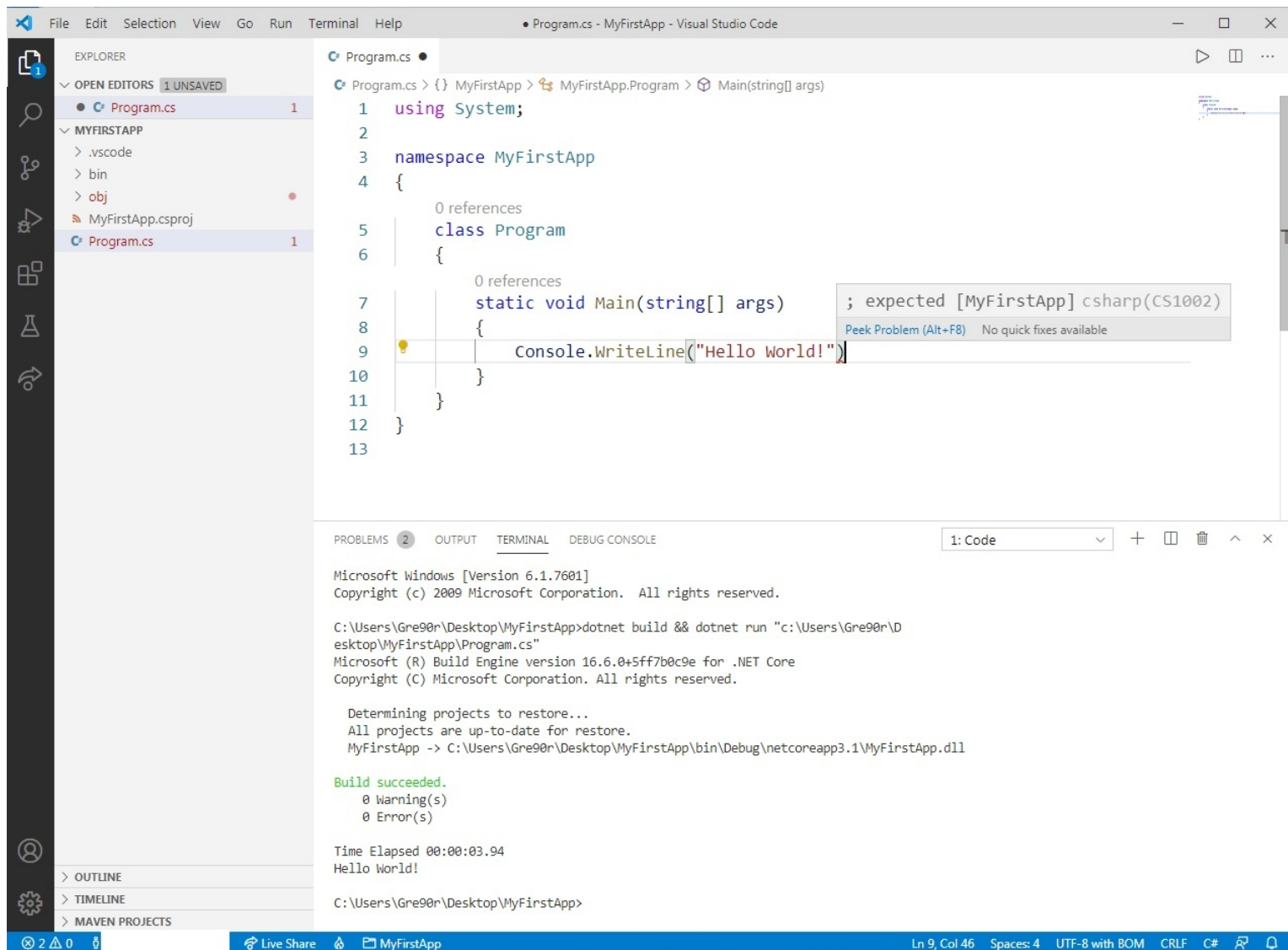
7.4.　　vscode restarts and it should pop up a message in the bottom right corner. Click "Yes" to install required assets.
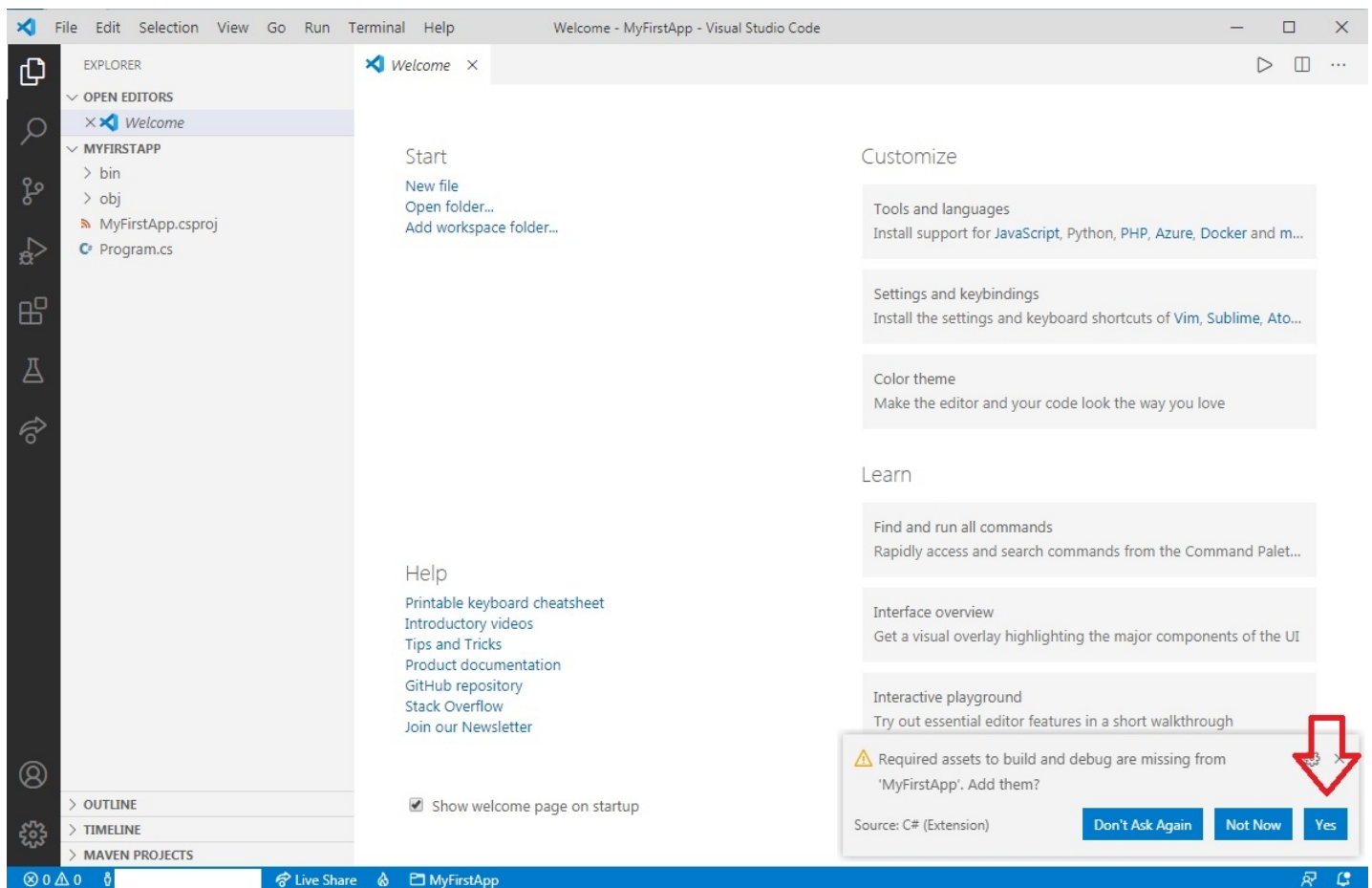
8. Running your program. To see what your are about to run, click on Program.cs in the left sidepane. If everything worked, you should see the text "Hello World!" in the terminal, right? In the top right corner, click the play button. Your terminal will start to output quite some stuff. The last output should be "Hello World!".
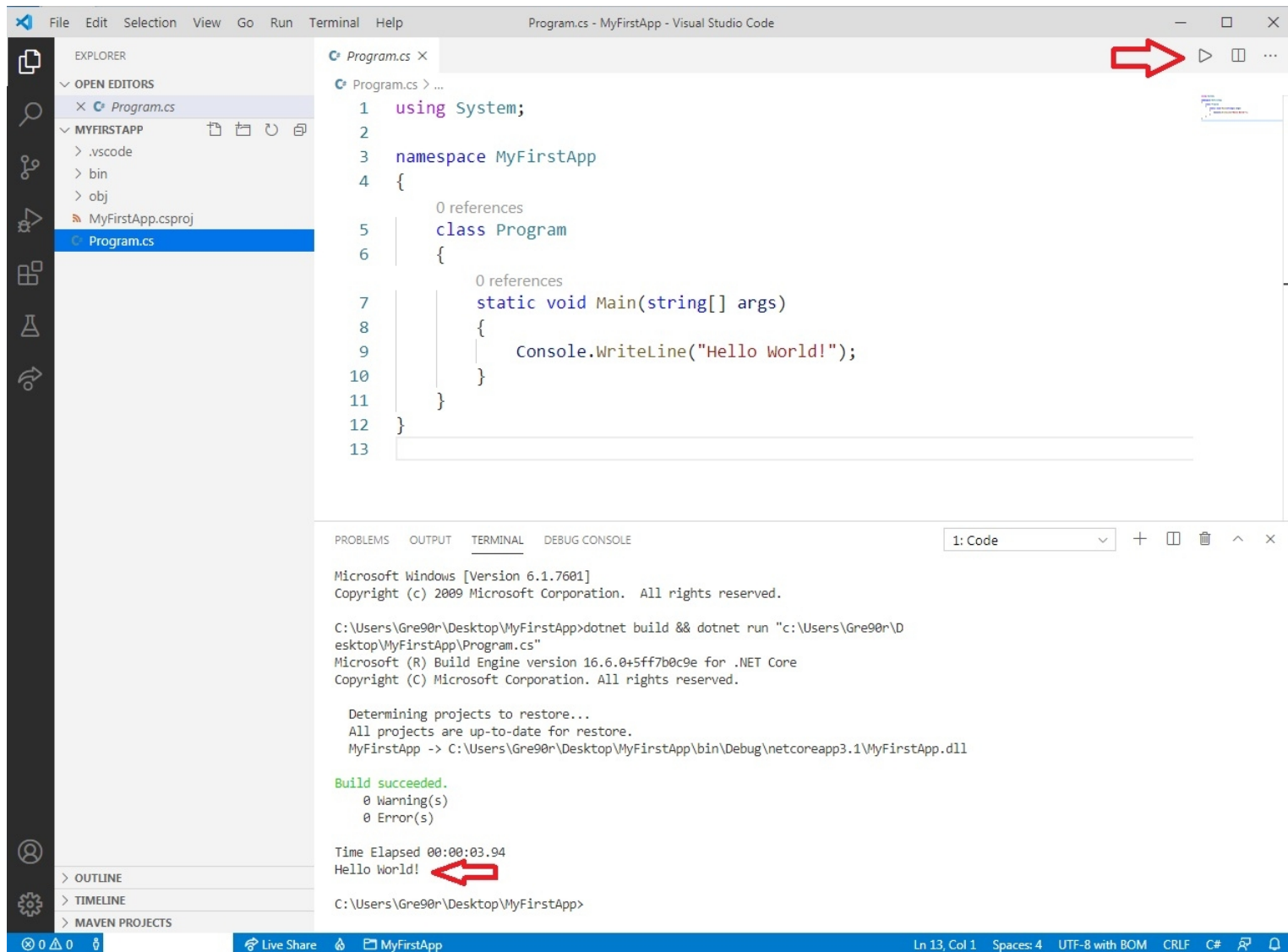
9. IntelliSense you would have in regular Visual Studio, you now also have in Visual Studio Code.

For further information, see: https://blog.mwpreston.net/2018/09/24/how-to-run-c-sharp-in-visual-studio-code/

Happy Coding