

How to Install VS Code and run code in C# for MacOS

1

Click "Q6. What VS Code Extensions and additional software do I need for this class?"



Q2. What is the best way to contact the instructor or the TA?

Q3. What is the attendance policy for this class?

Q4. Can I use tools like ChatGPT for this class?

Q5. How do I download Visual Studio Code? I have a Mac, is it compatible?

Q6. What VS Code Extensions and additional software do I need for this class?

Q7. I am having issues with VS Code on my laptop, are there any other ways for me to access VS Code?

Q8. Where should I save my code on the Virtual Lab?

Q9. What is the naming convention for assignment submissions and how do I make submissions on C#?

Q10. What is the late submission policy for this class?

2 Click "Download .Net SDK"

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his class?

Code? I have a Mac, is it compatible?

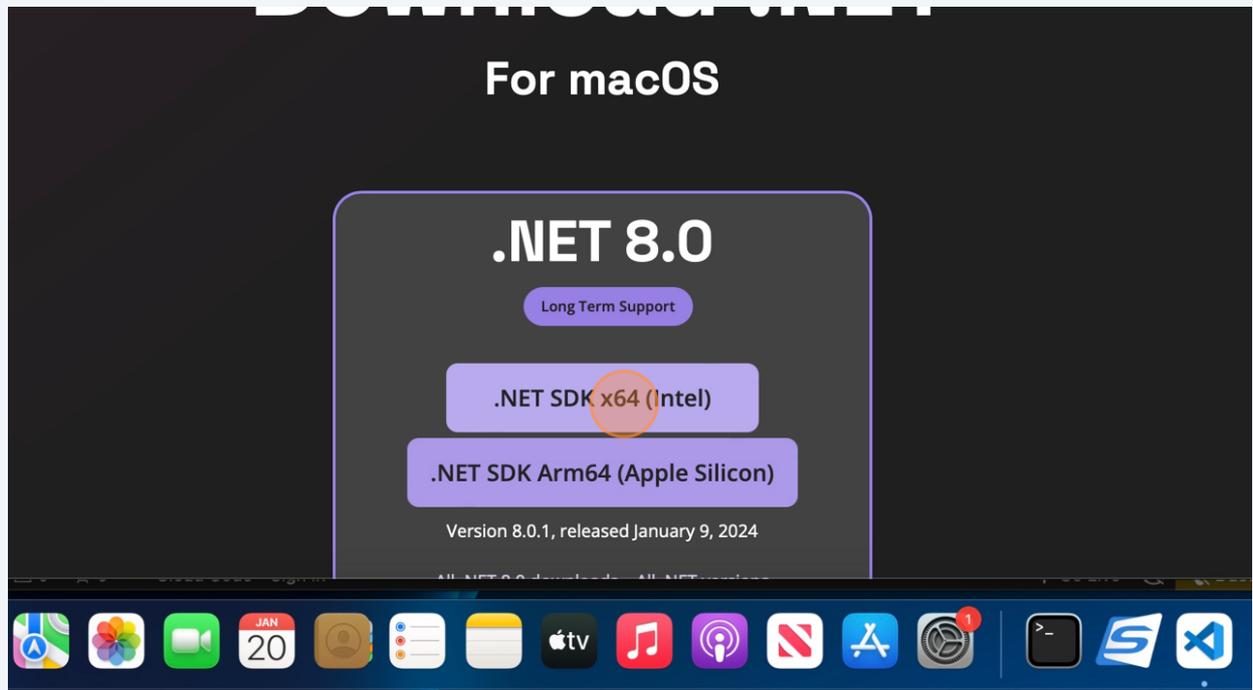
ditional software do I need for this class?

.NET SDK. Install it from the official .NET website: [Download .Net SDK](#)
The steps to install the C# extension for VS Code: [C# Extension for VS Code](#)
Once the extension is installed, open VS Code and click on the Extensions icon on the left side of the screen. Then search for C# and
Once everything is set up correctly is to open the terminal in VS Code and type in "dotnet --version". If you see a version number
as an example of what you should see.

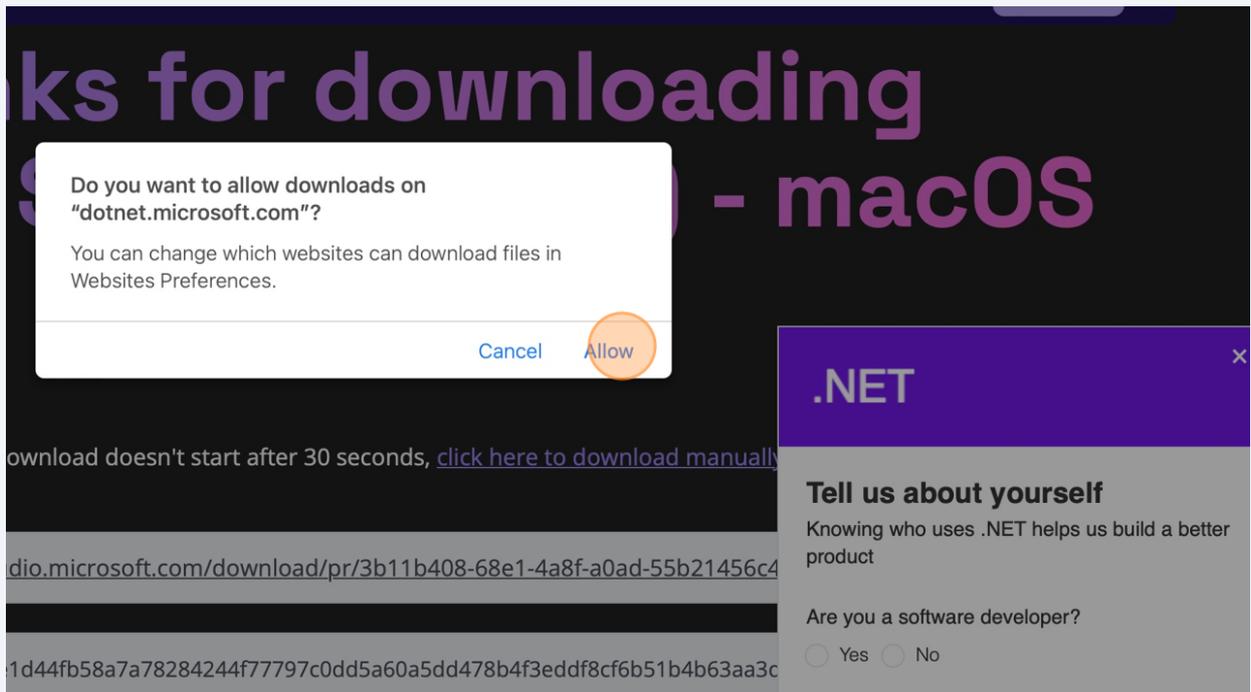
```
OUTPUT  DEBUG CONSOLE  TERMINAL  PORTS  POLYGLO
```

```
ms\hzs0084> dotnet --version
```

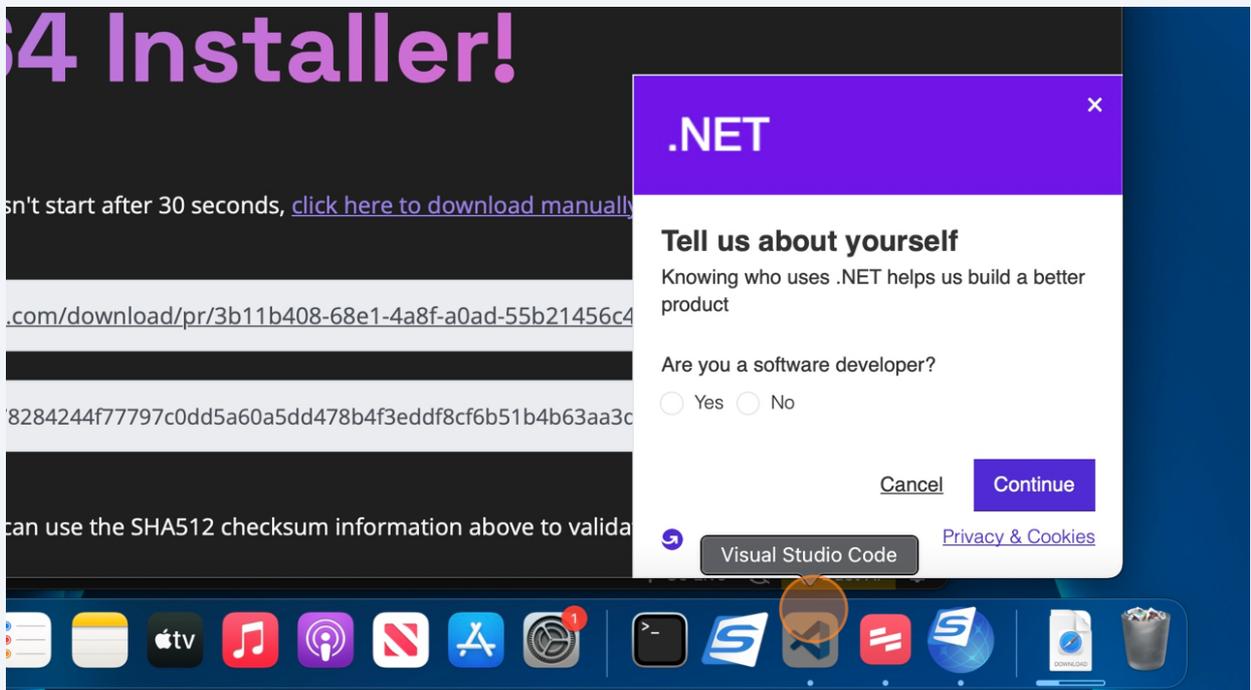
3 The installation is going to depend on what kind of MacBook you own. if you have an Intel processor then Click ".NET SDK x64 (Intel)" if you have a M1 or a M2 laptop then you need to Click ".NET SDK Arm64".



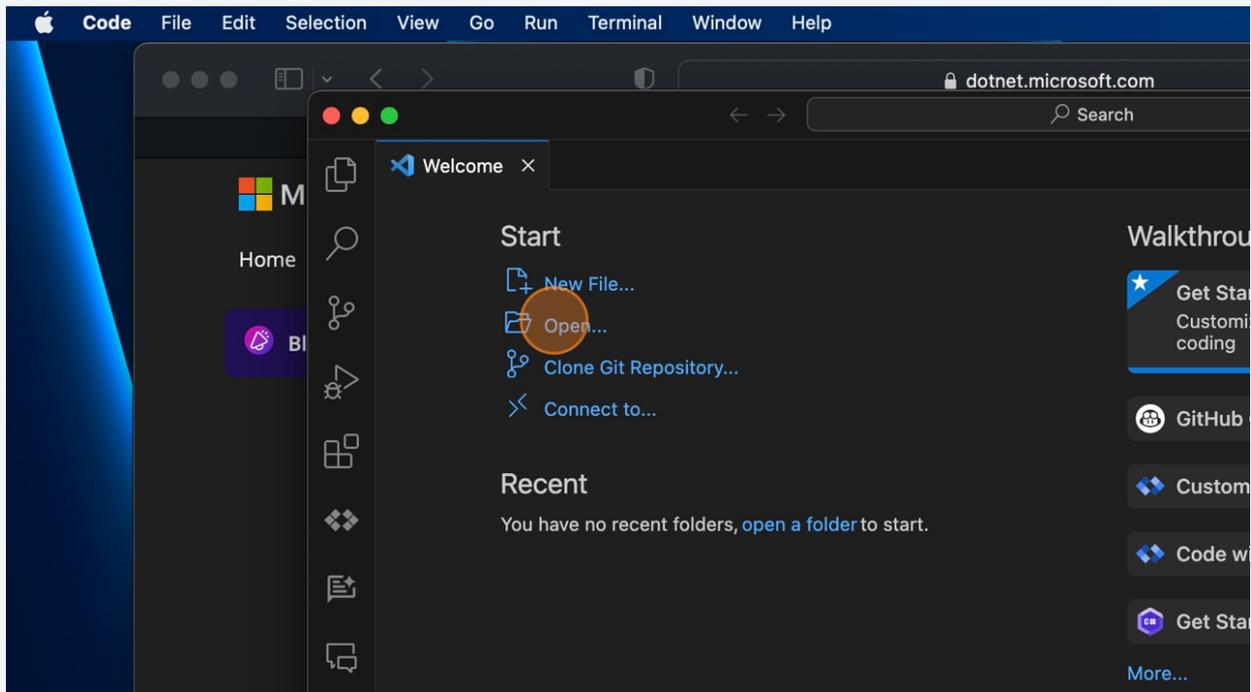
4 Click "Allow"



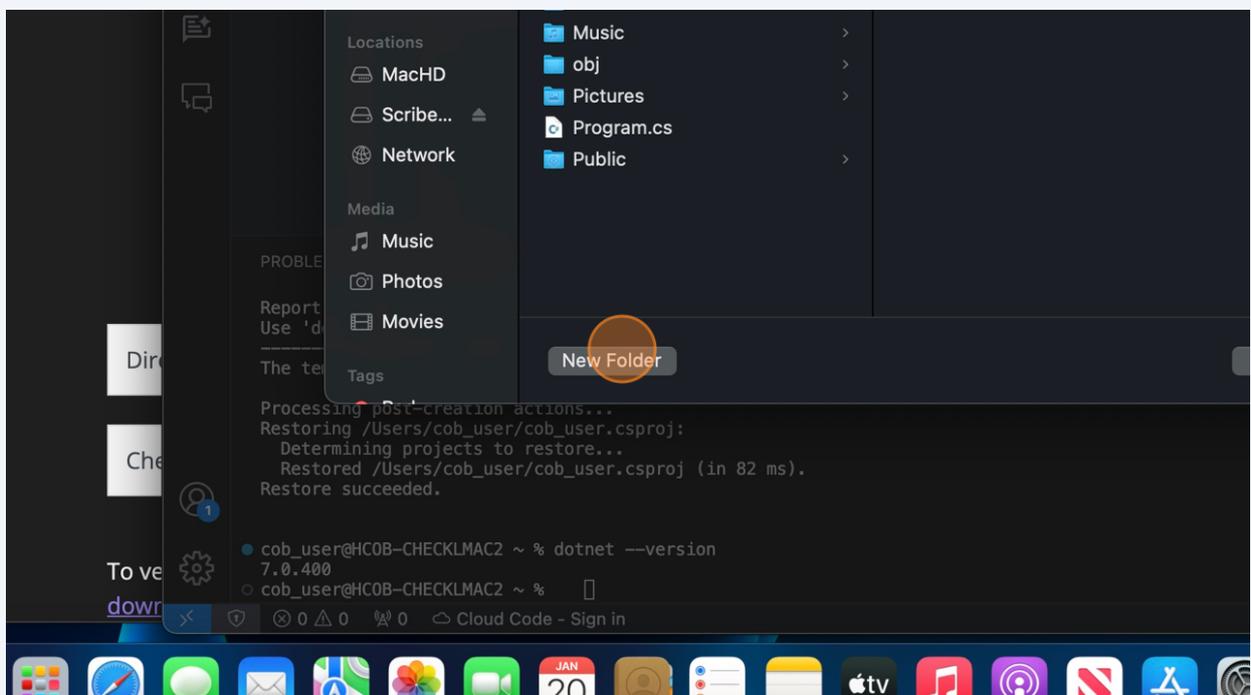
5 Click "Visual Studio Code"



6 Click here



7 Click "New Folder"

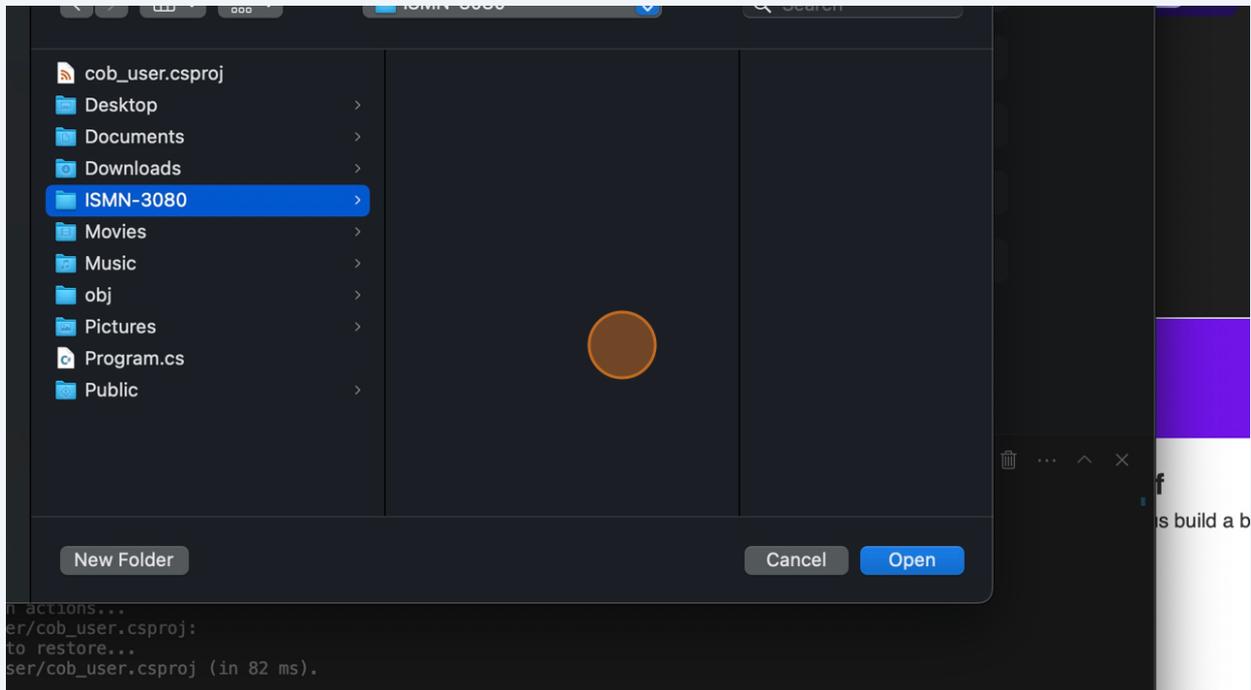


8

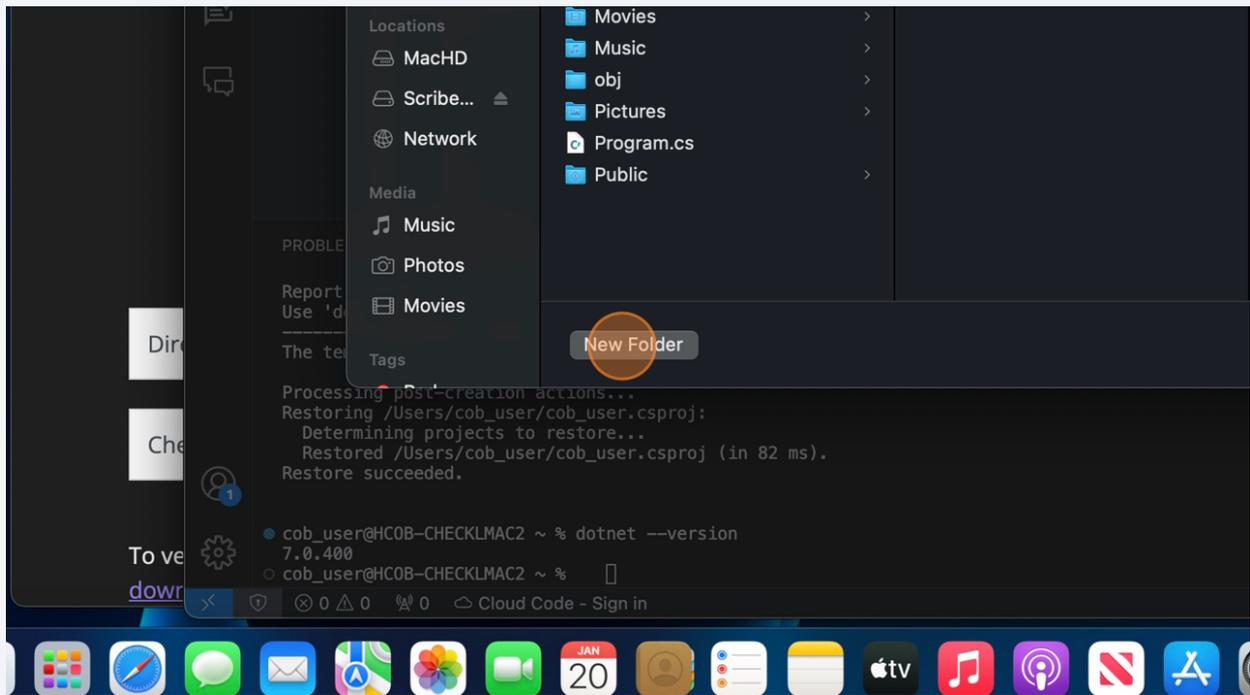
Create a "ISMN-3080" because this is where all of your lab and programming assignments code will be stored.

9

Click this list

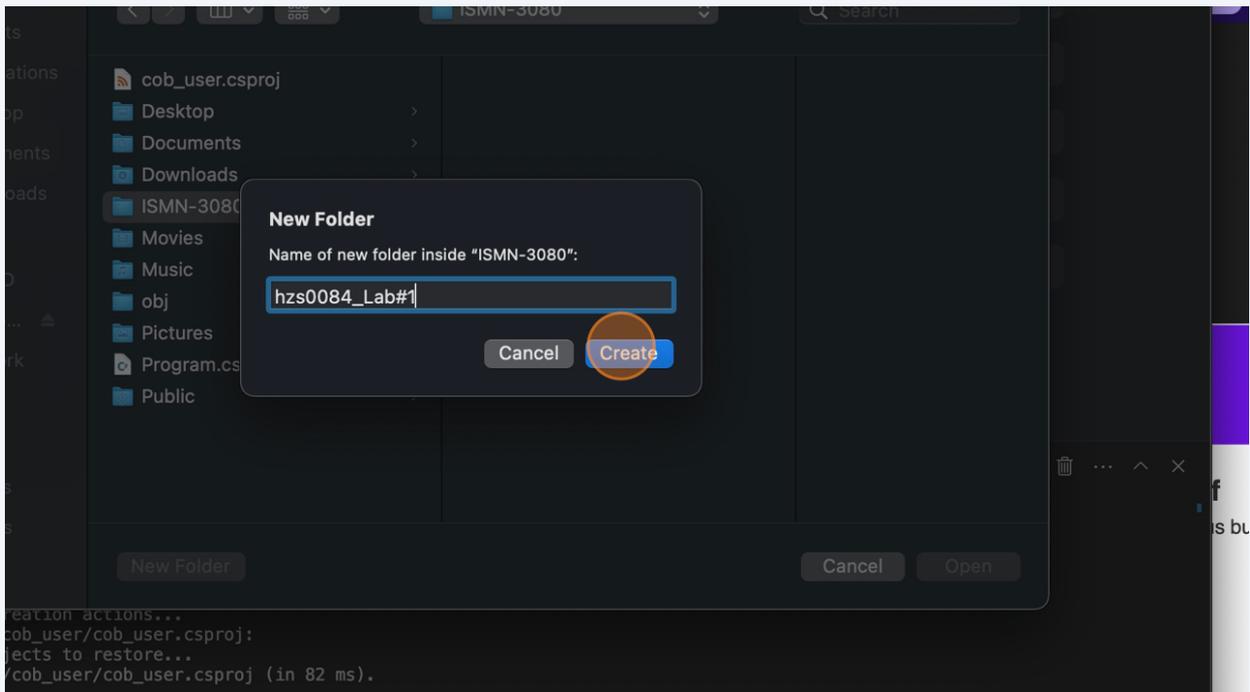


10 Click "New Folder"

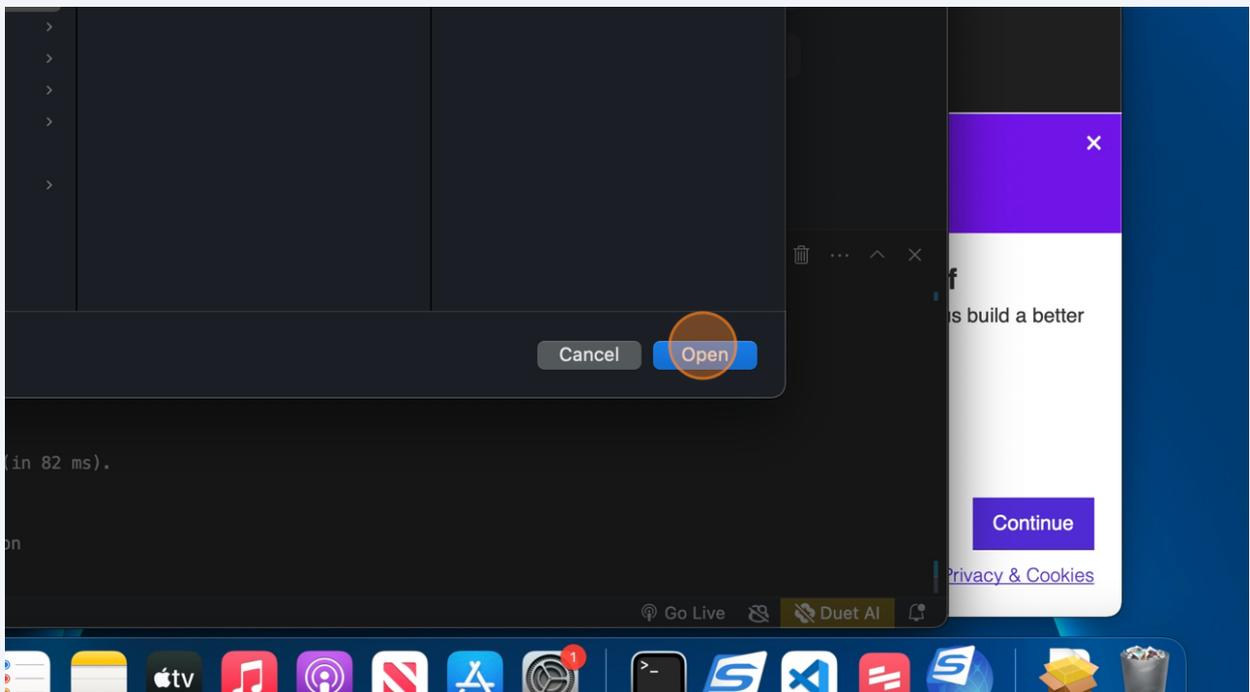


11 Create a "hzs0084_Lab#1" folder as this folder will later be used to make the Canvas submission. Each lab will have it's own VS Code files inside that you are going to need to run the code.

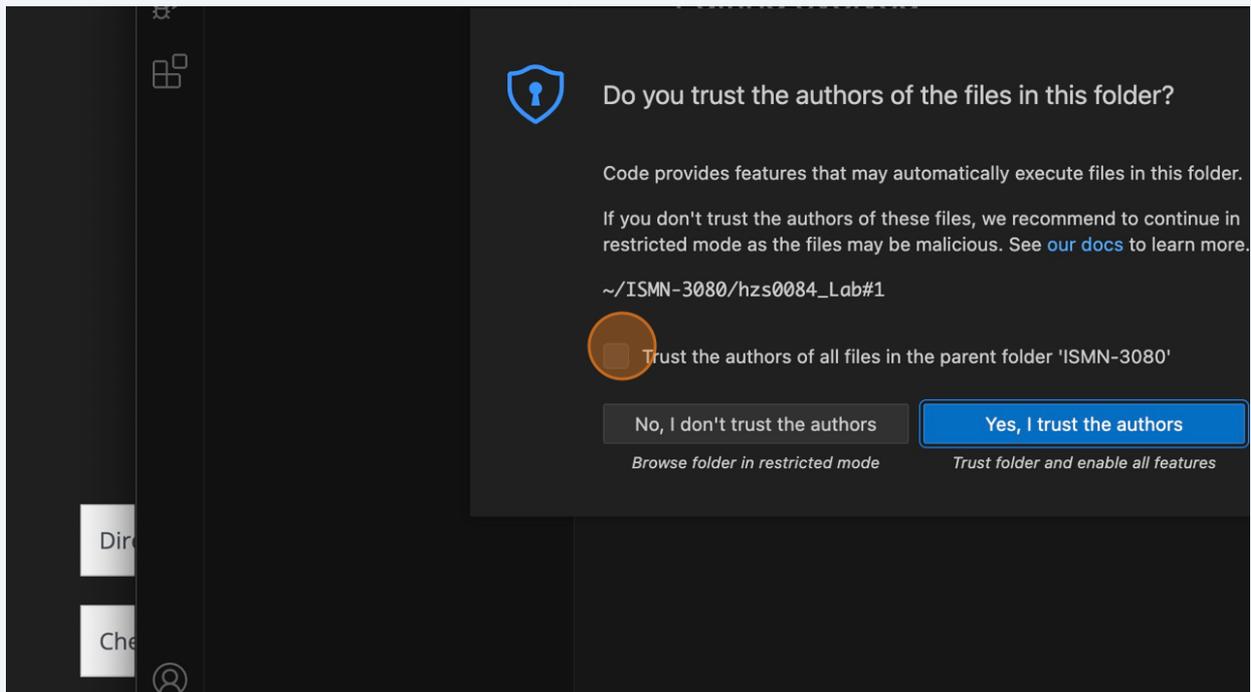
12 Click "Create"



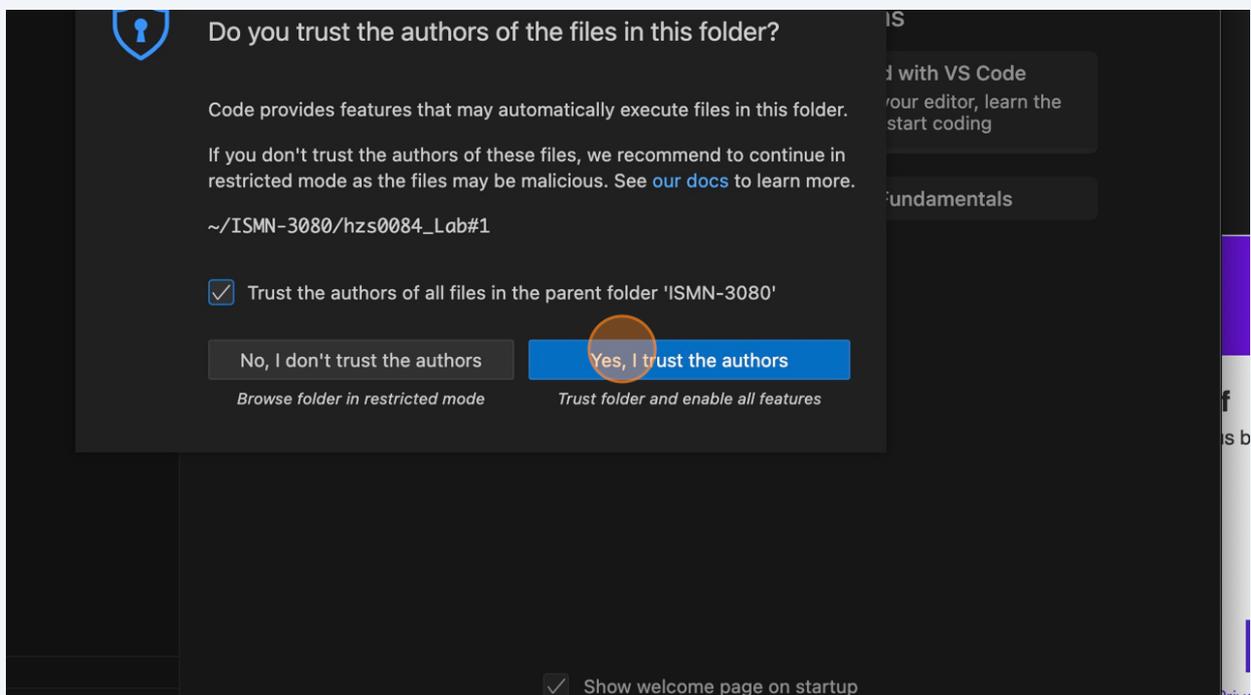
13 Click "Open"



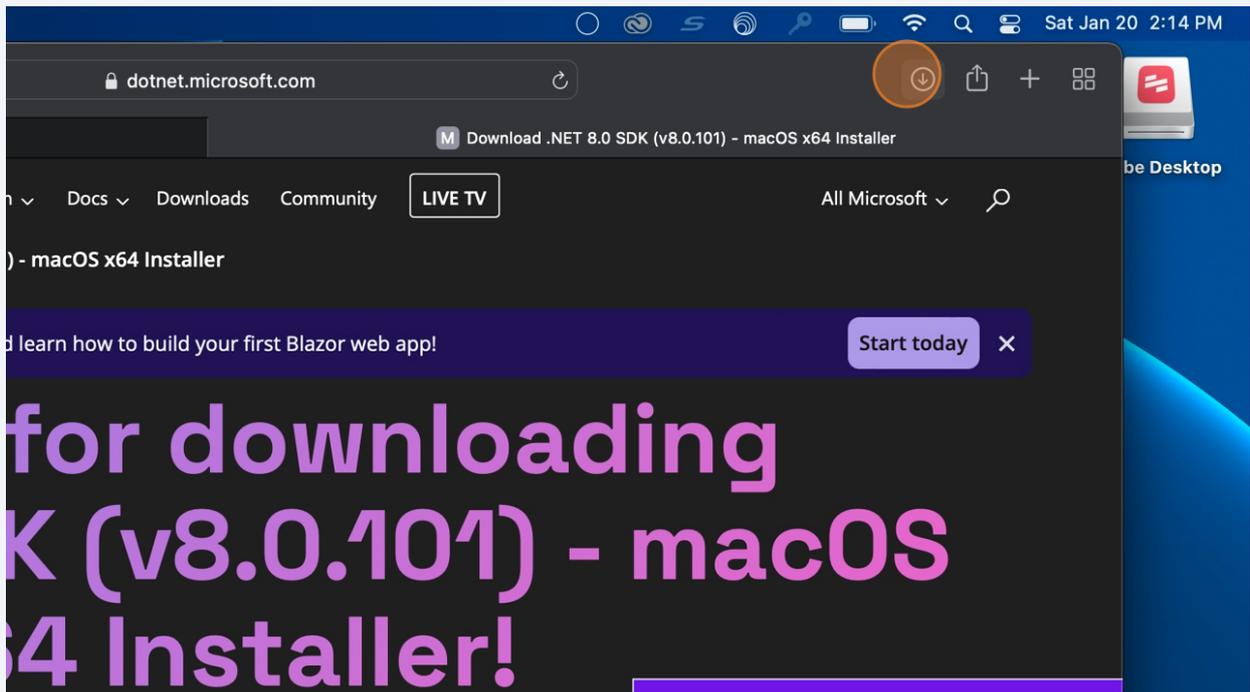
14 Click here



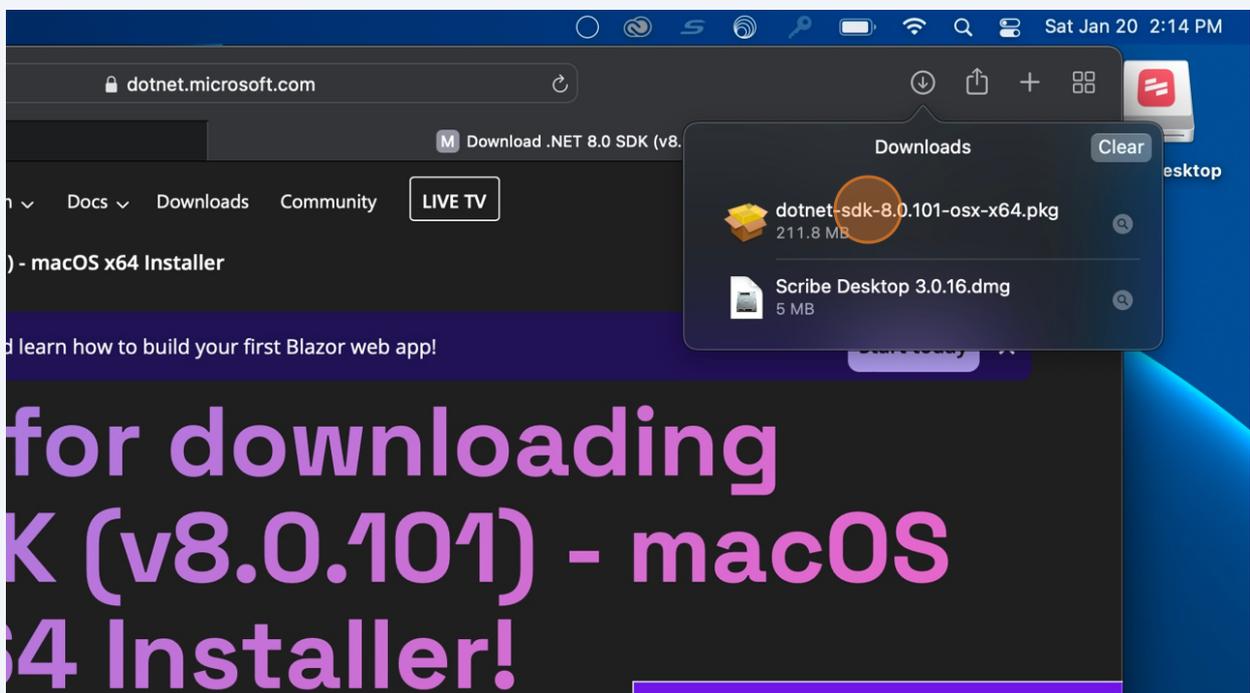
15 Click here



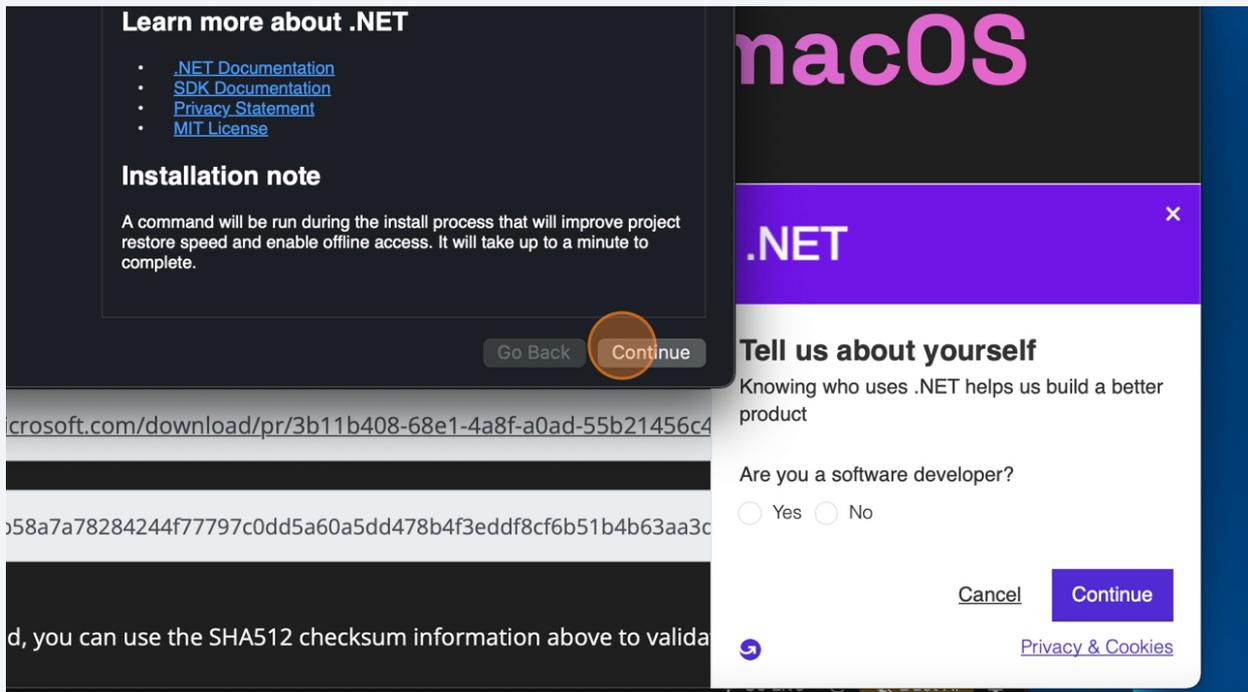
16 Click the Downloads button



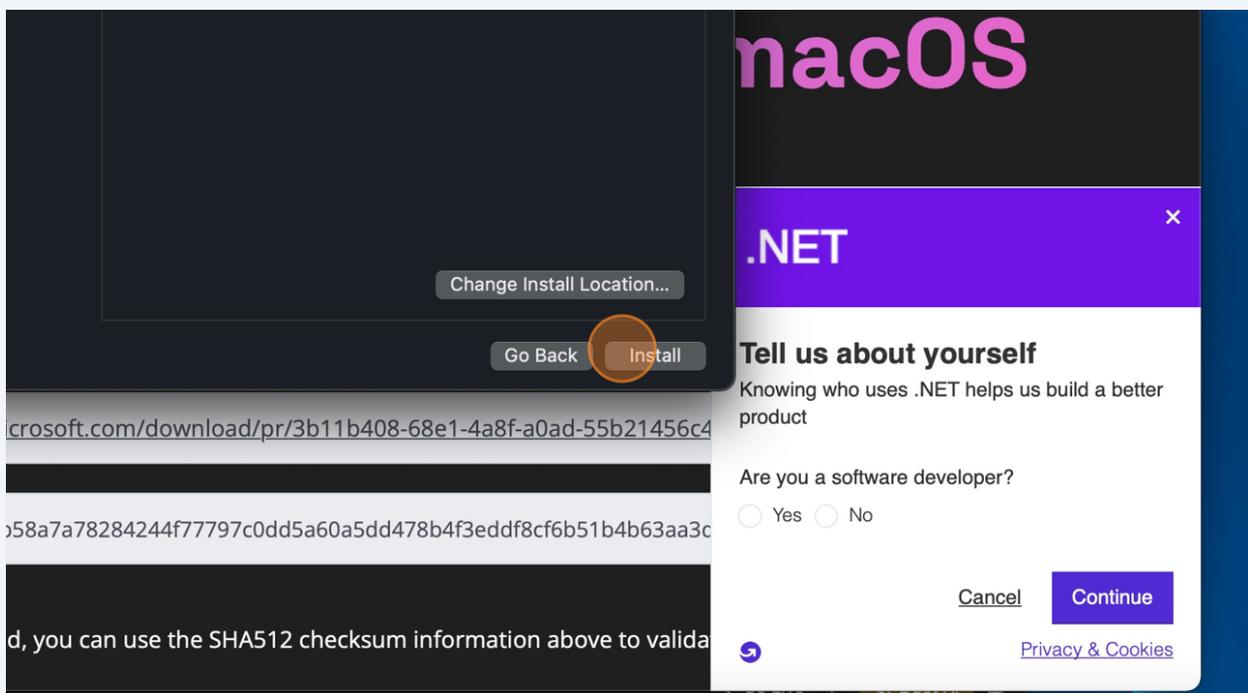
17 Click the dotnet-sdk-8.0.101-osx-x64.pkg download entry



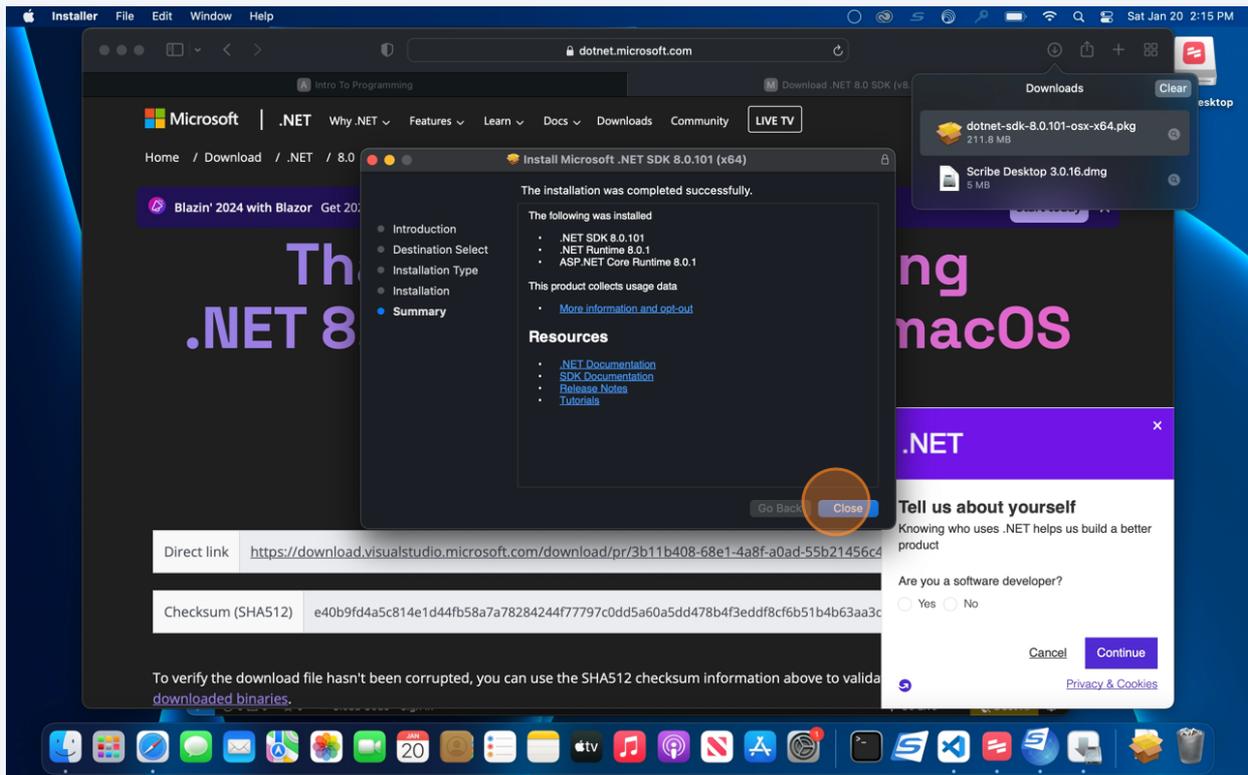
18 Click "Continue"



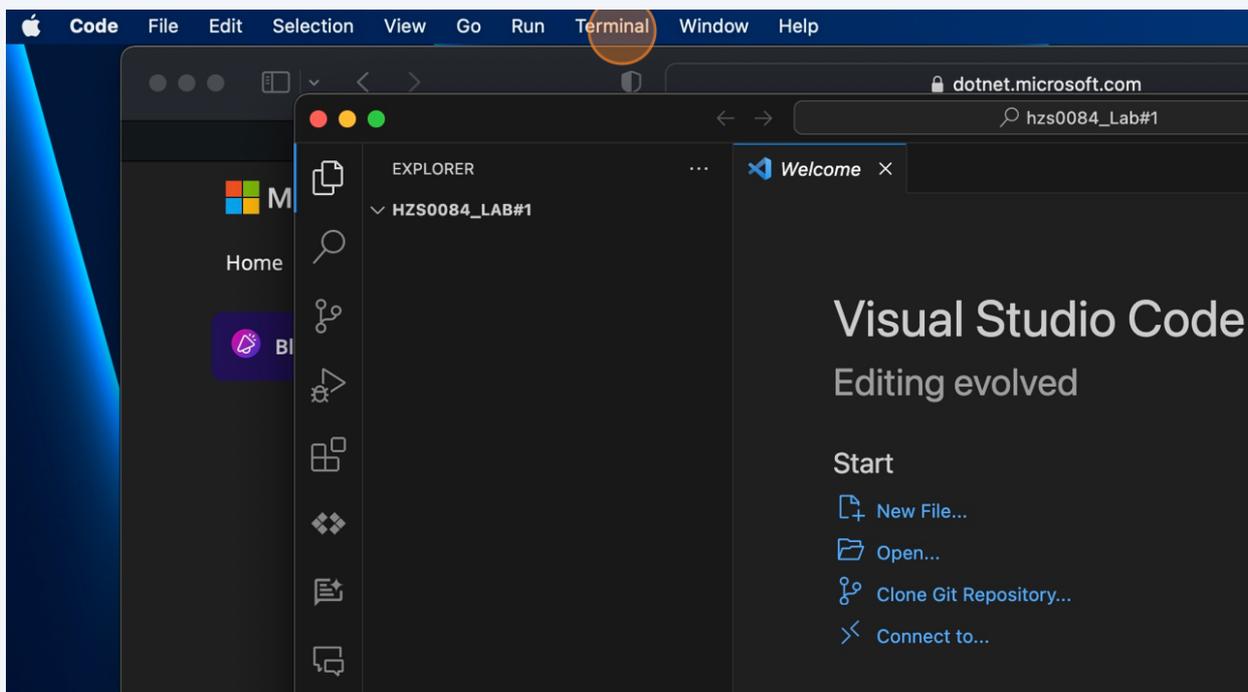
19 Click "Install"



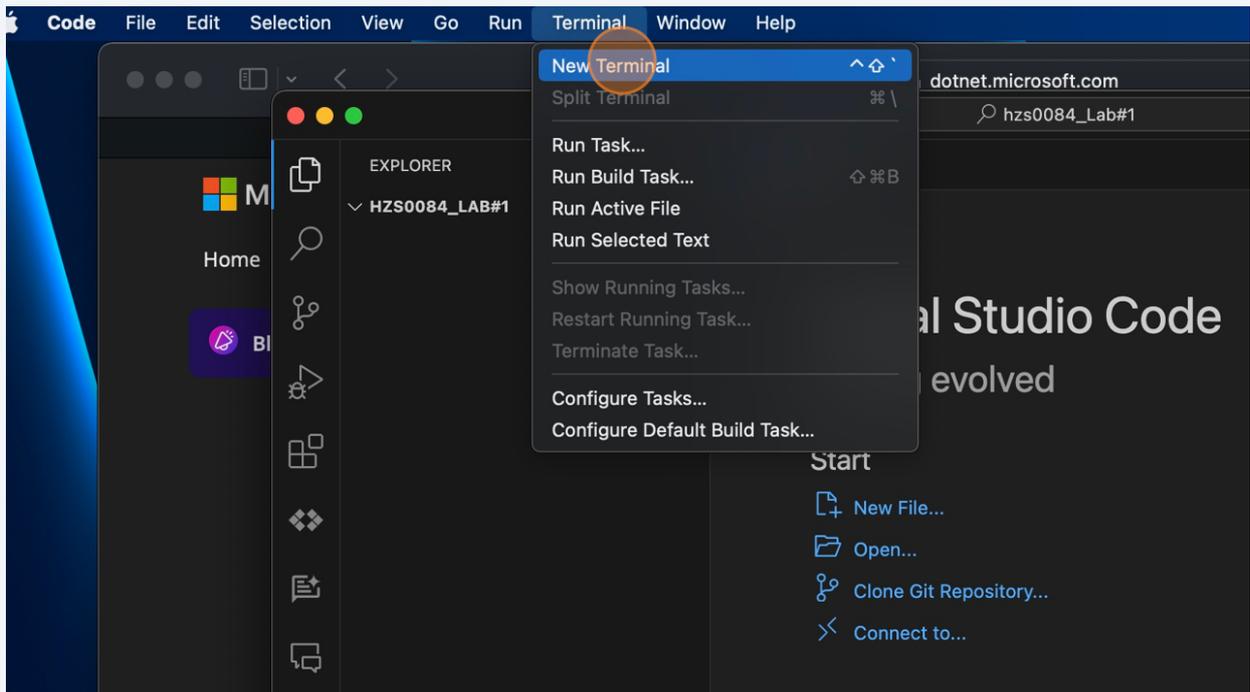
20 Click "Close"



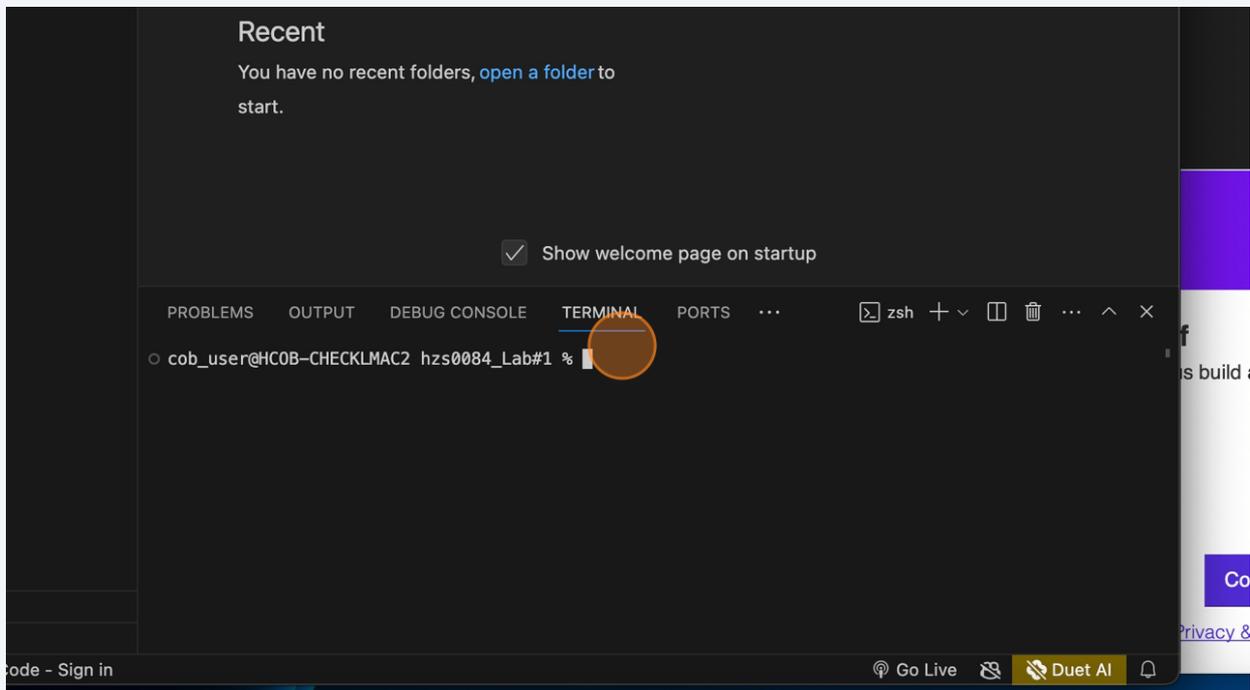
21 Click "Terminal"



22 Click "New Terminal"



23 Click here

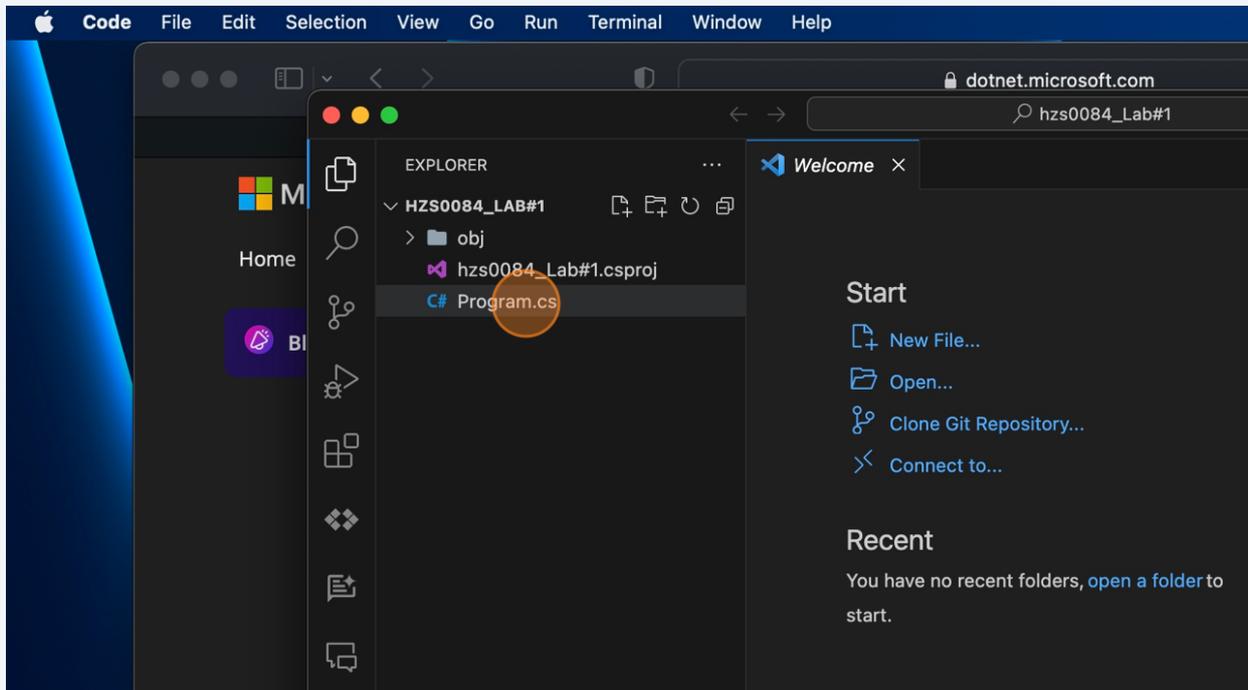


24

Type "dotnet new console" and then press Enter. You will see files populate on the left pane.

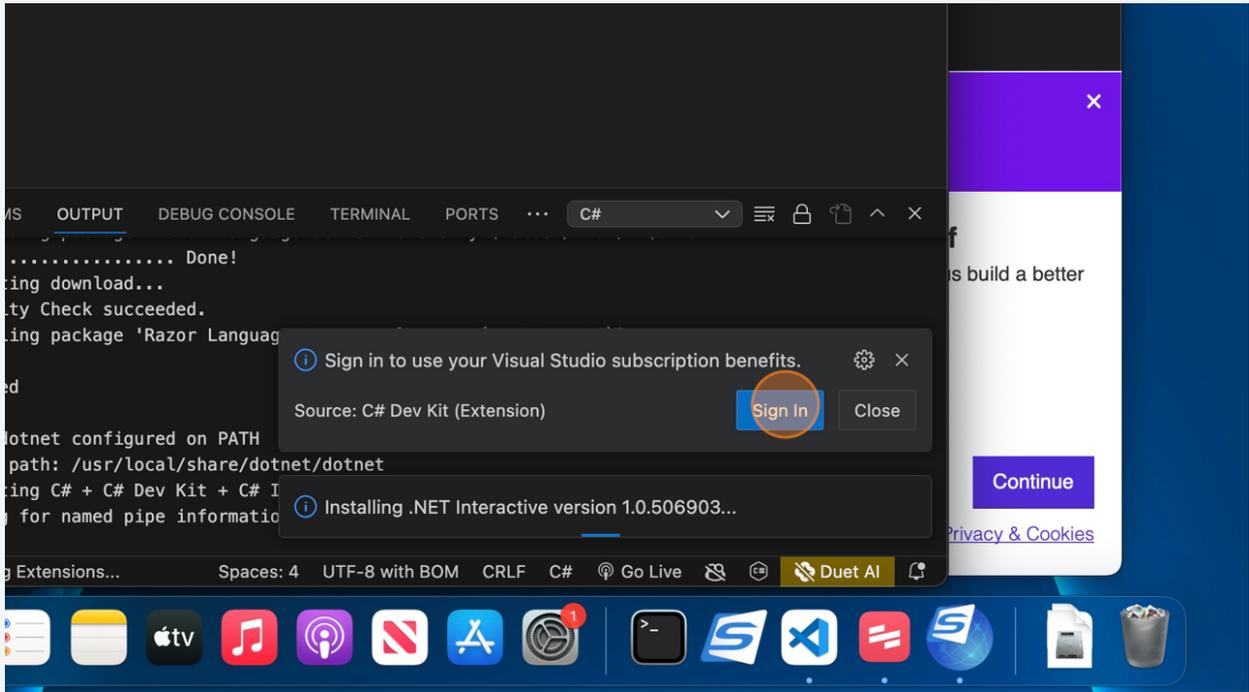
25

Click here on "Program.cs" as that's where you would write the C# code.



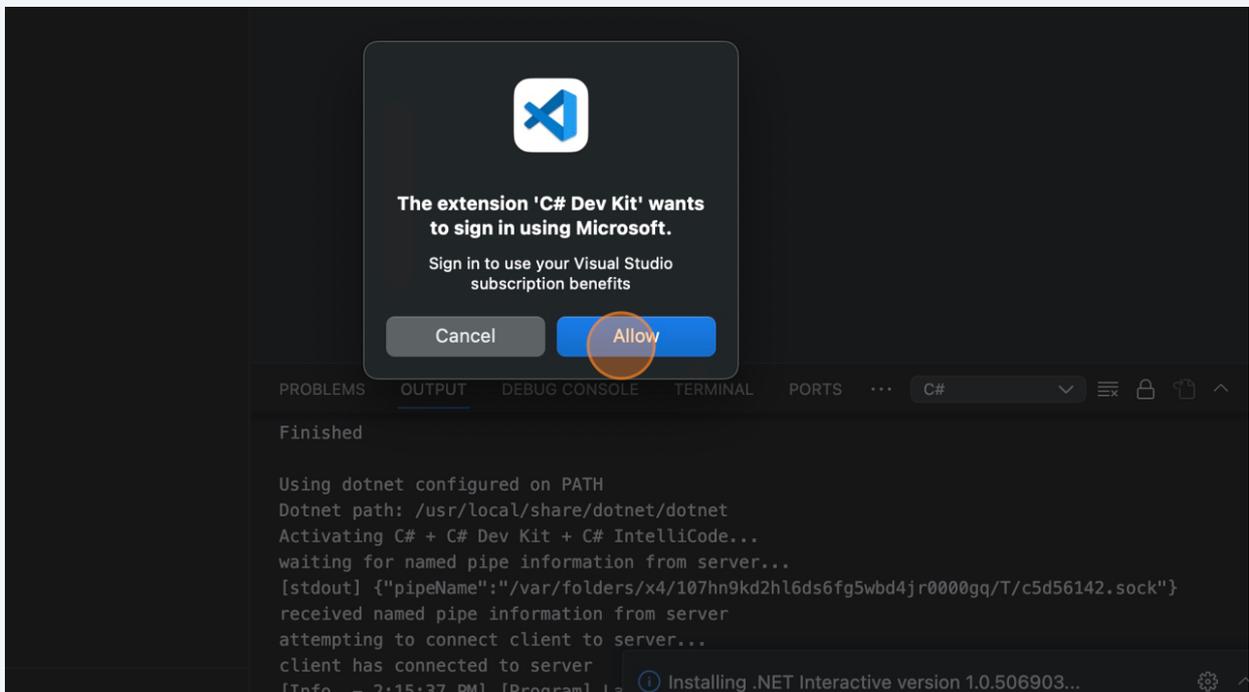
26

If you see a prompt like this that asks you to Sign in. Then click "Sign In" as you need the C# extensions to run in the background.

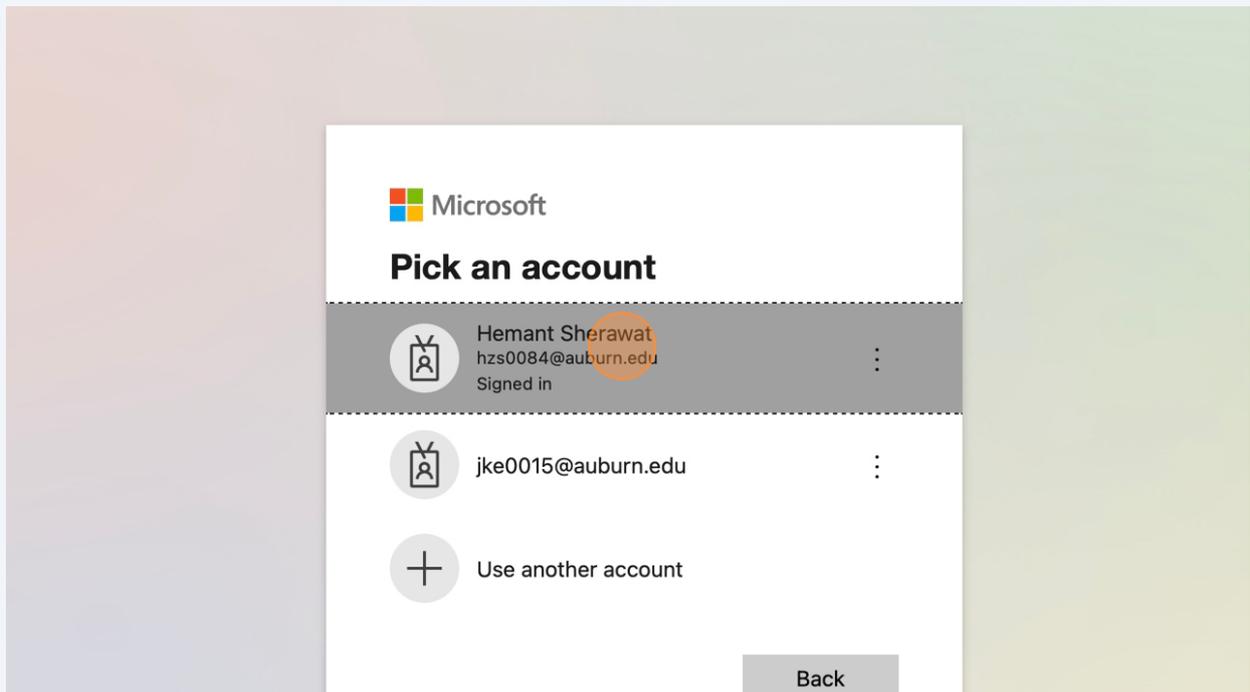


27

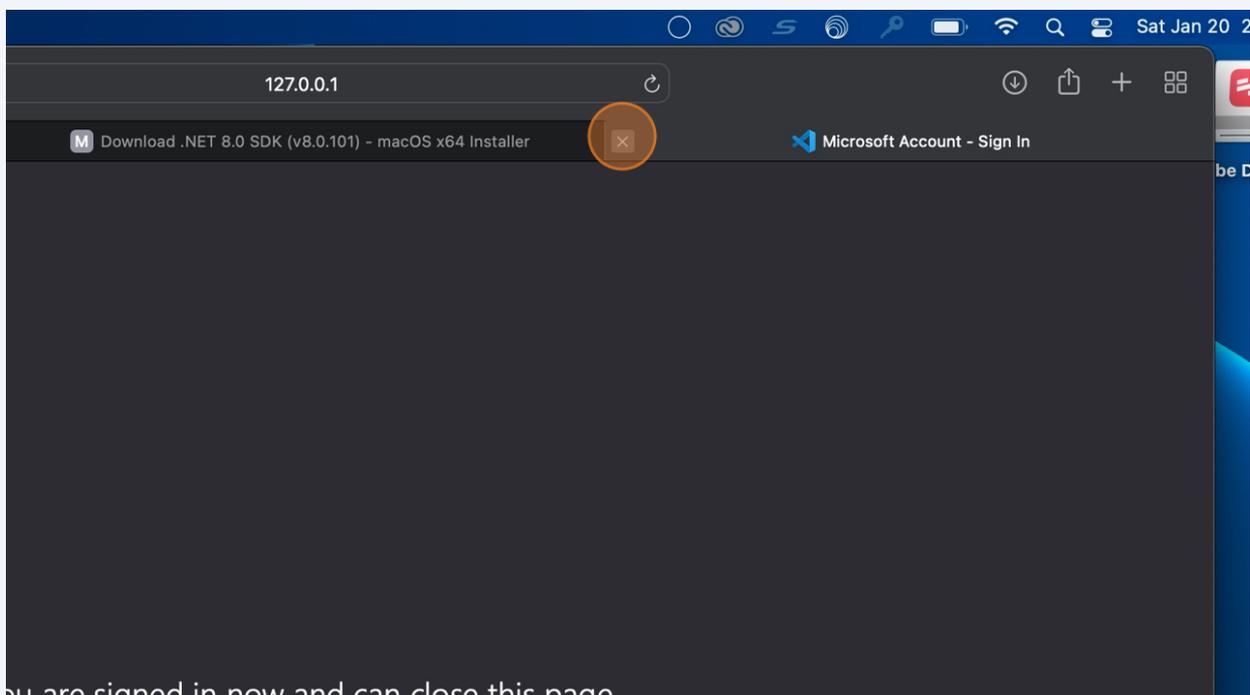
Click "Allow"



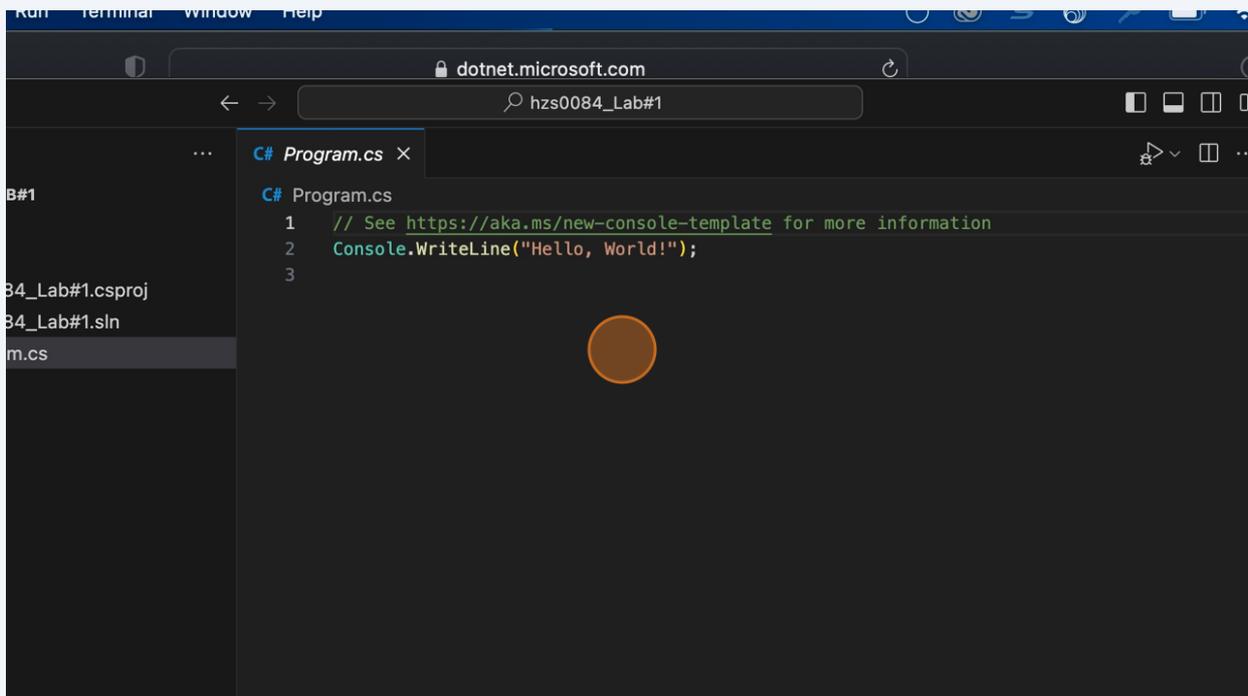
28 Log in into your Auburn Account and then you can close the browser.



29 Click "close tab"



30 Click here as that's where the code is going to be written.

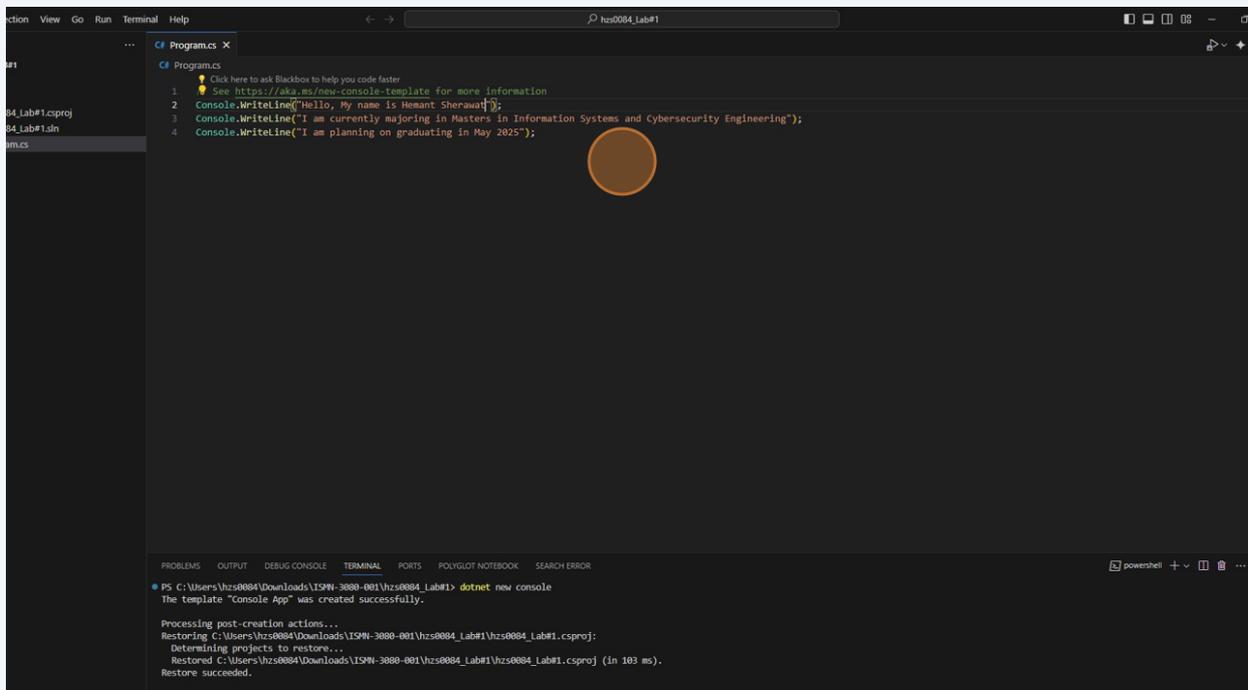


The screenshot shows the Visual Studio Code editor with a browser window in the background displaying dotnet.microsoft.com. The editor has a file explorer on the left showing a project named 'hzs0084_Lab#1' with files 'B4_Lab#1.csproj', 'B4_Lab#1.sln', and 'Program.cs'. The 'Program.cs' file is open in the main editor area, showing the following code:

```
C# Program.cs
1 // See https://aka.ms/new-console-template for more information
2 Console.WriteLine("Hello, World!");
3
```

A blue circle highlights the cursor position at the end of line 2.

31 After making changes to the Program.cs file



The screenshot shows the Visual Studio Code editor with the same project as in the previous image. The 'Program.cs' file now contains the following code:

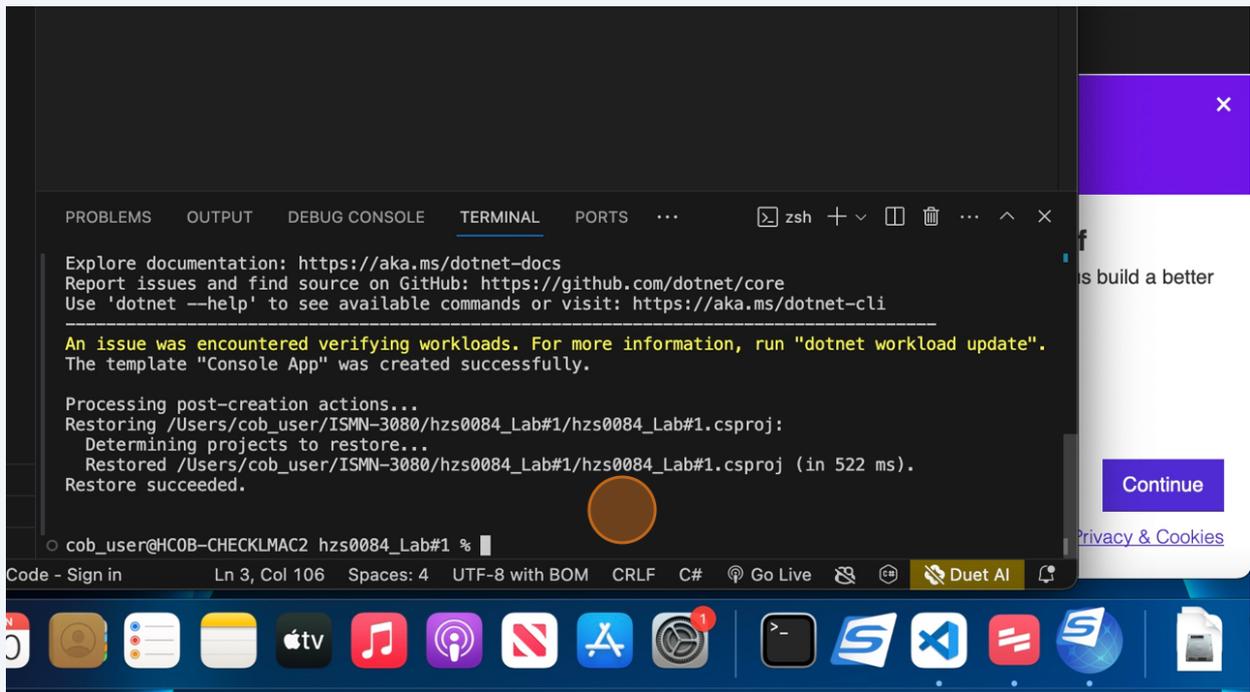
```
C# Program.cs
1 Click here to ask Blackbox to help you code faster
2 See https://aka.ms/new-console-template for more information
3 Console.WriteLine("Hello, My name is Hemant Sherawat");
4 Console.WriteLine("I am currently majoring in Masters in Information Systems and Cybersecurity Engineering");
5 Console.WriteLine("I am planning on graduating in May 2025");
```

A blue circle highlights the cursor position at the end of line 5. At the bottom of the editor, a terminal window is open, showing the output of the 'dotnet new console' command:

```
PS C:\Users\hzs0084\Downloads\ISMN-3888-081\hzs0084_Lab#1> dotnet new console
The template "Console App" was created successfully.

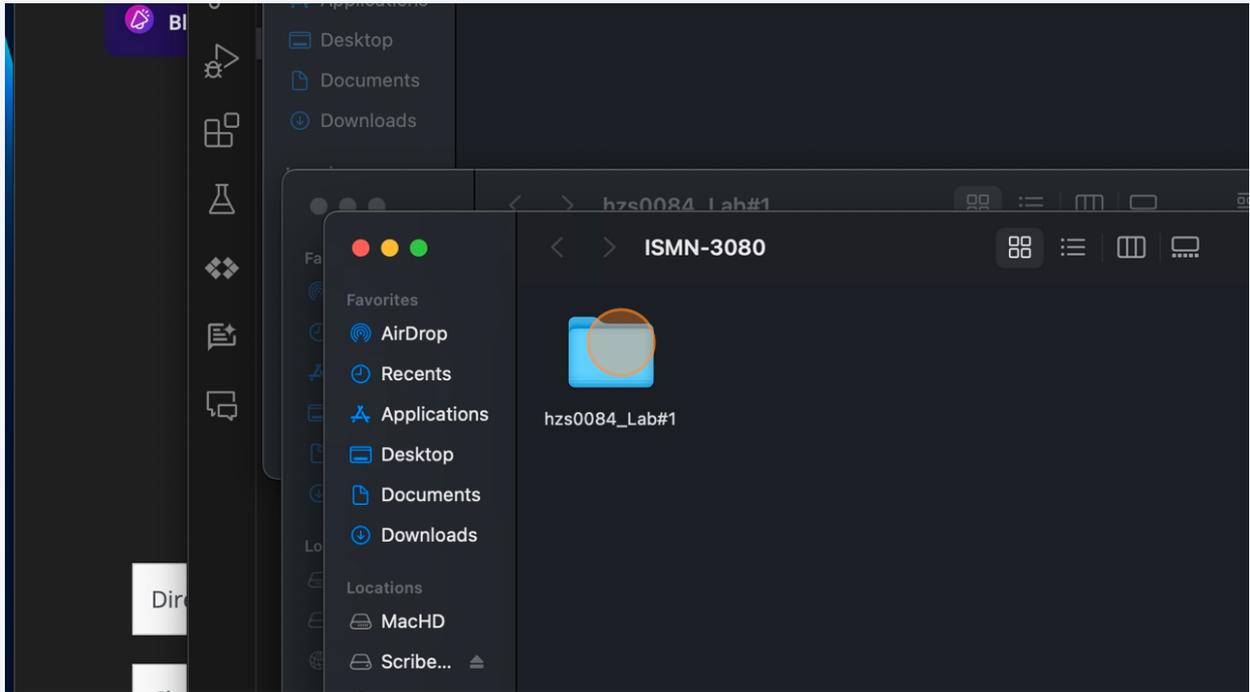
Processing post-creation actions...
Restoring C:\Users\hzs0084\Downloads\ISMN-3888-081\hzs0084_Lab#1\hzs0084_Lab#1.csproj:
  Determining projects to restore...
  Restored C:\Users\hzs0084\Downloads\ISMN-3888-081\hzs0084_Lab#1\hzs0084_Lab#1.csproj (in 103 ms).
Restore succeeded.
```

32 Click here

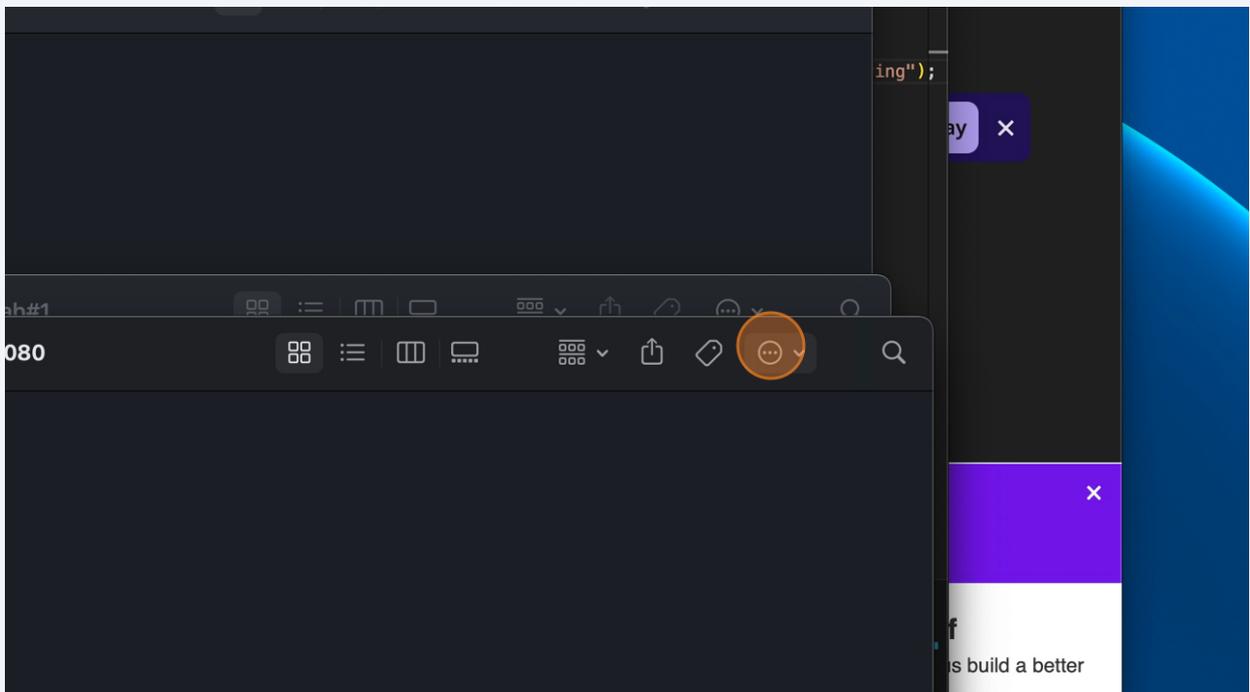


33 Type "dotnet run" to run the code and hit **Enter**

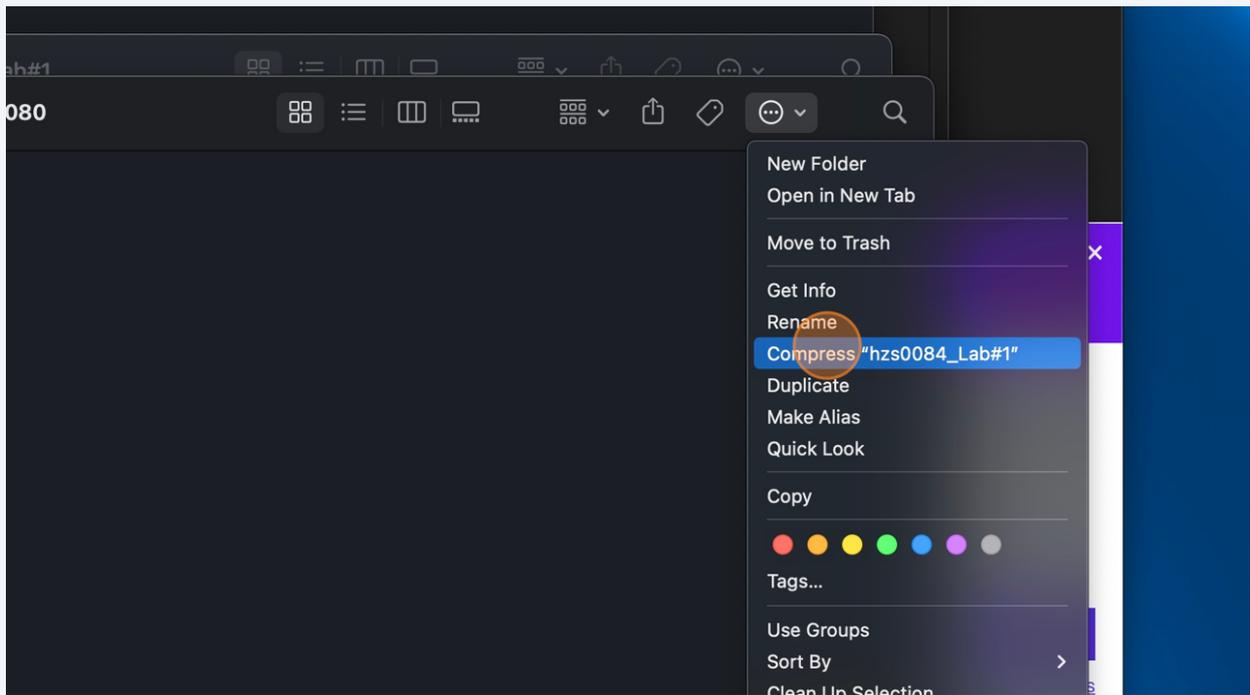
34 Click "hzs0084_Lab#1"



35 Click the Action menu button



36 Click "Compress "hzs0084_Lab#1""



37 Use that "hzs0084_Lab#1.zip" for your Canvas submission.

