

# 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 CodeLab?

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

## 2 Click "Download .Net SDK"

his class?

his class?

Code? I have a Mac, is it compatible?

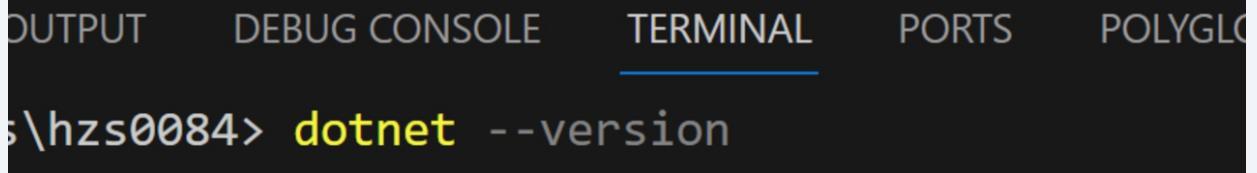
litional software do I need for this class?

.NET SDK. Install it from the official .NET website: [Download .Net SDK](#)

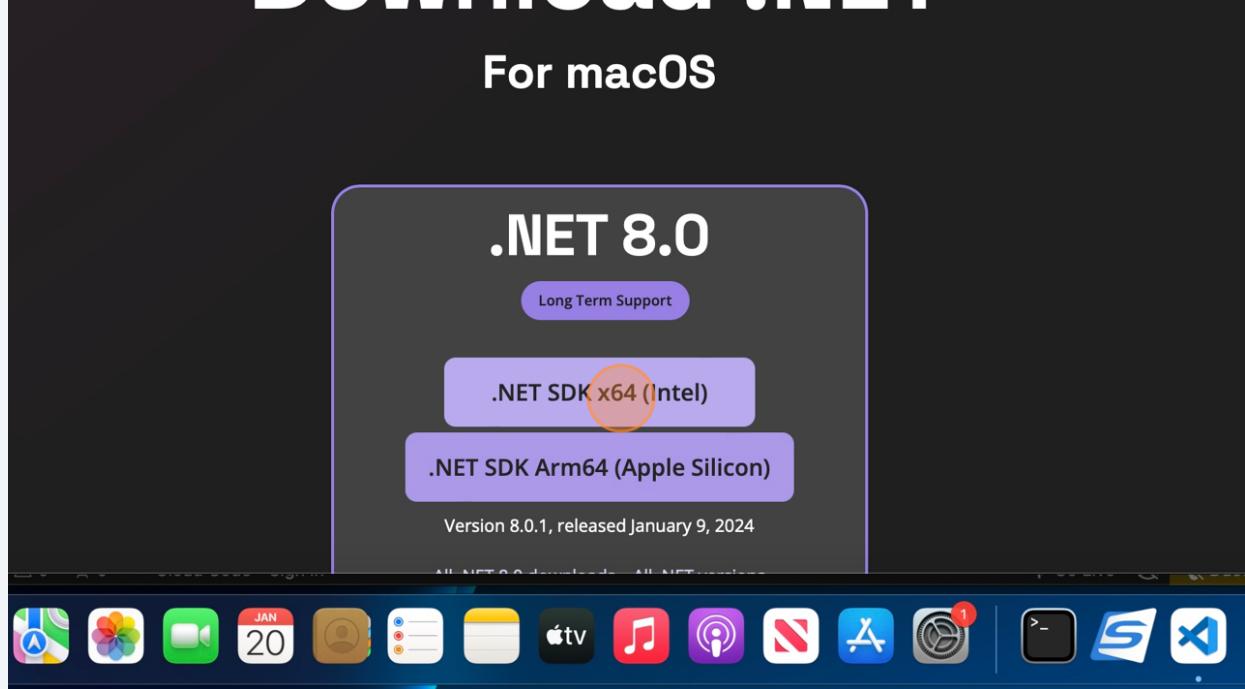
ie steps to install the C# extension for VS Code: [C# Extension for VS Code](#)

ension installed, open VS Code and click on the Extensions icon on the left side of the screen. Then search for C# and

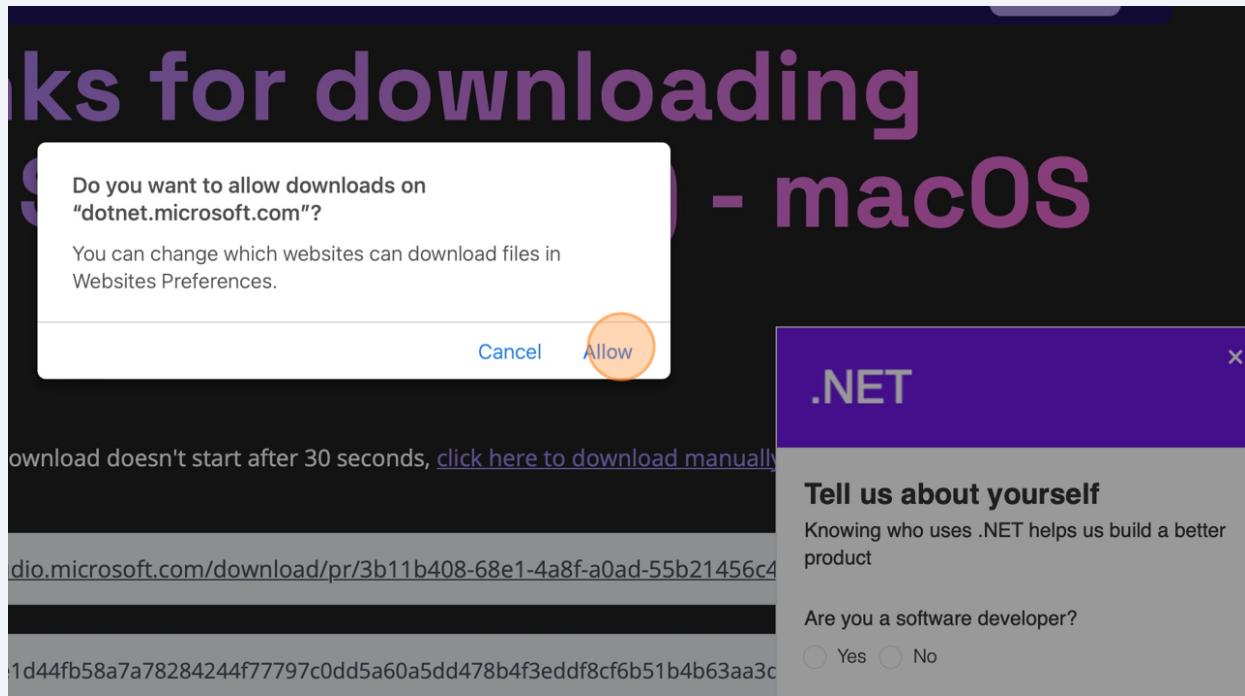
e everything set up correctly is to open the terminal in VS Code and type in "dotnet --version". If you see a version n  
iple of what you should see.



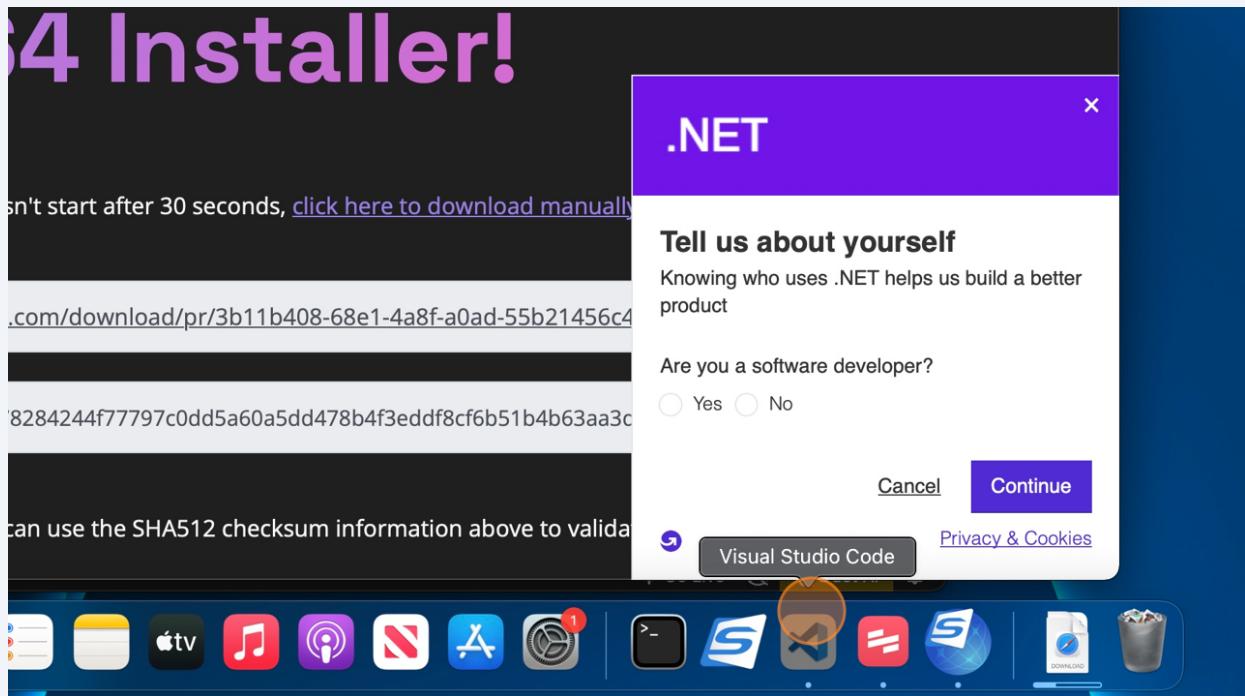
## 3 The installation is going to depend on what kind of MacBook you own. if you have an Intel processor then Click ".NET SDK x64 (Intel)" if you have a M1 or a M2 laptop then you need to Click ".NET SDK Arm64".



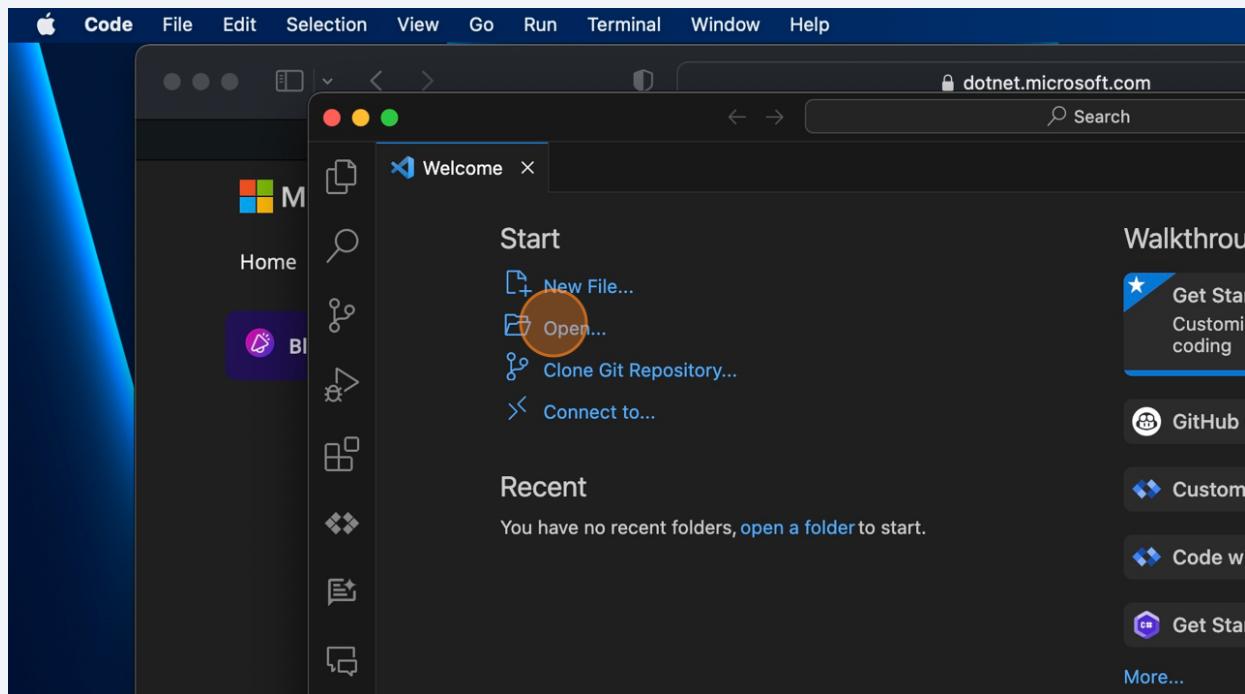
4 Click "Allow"



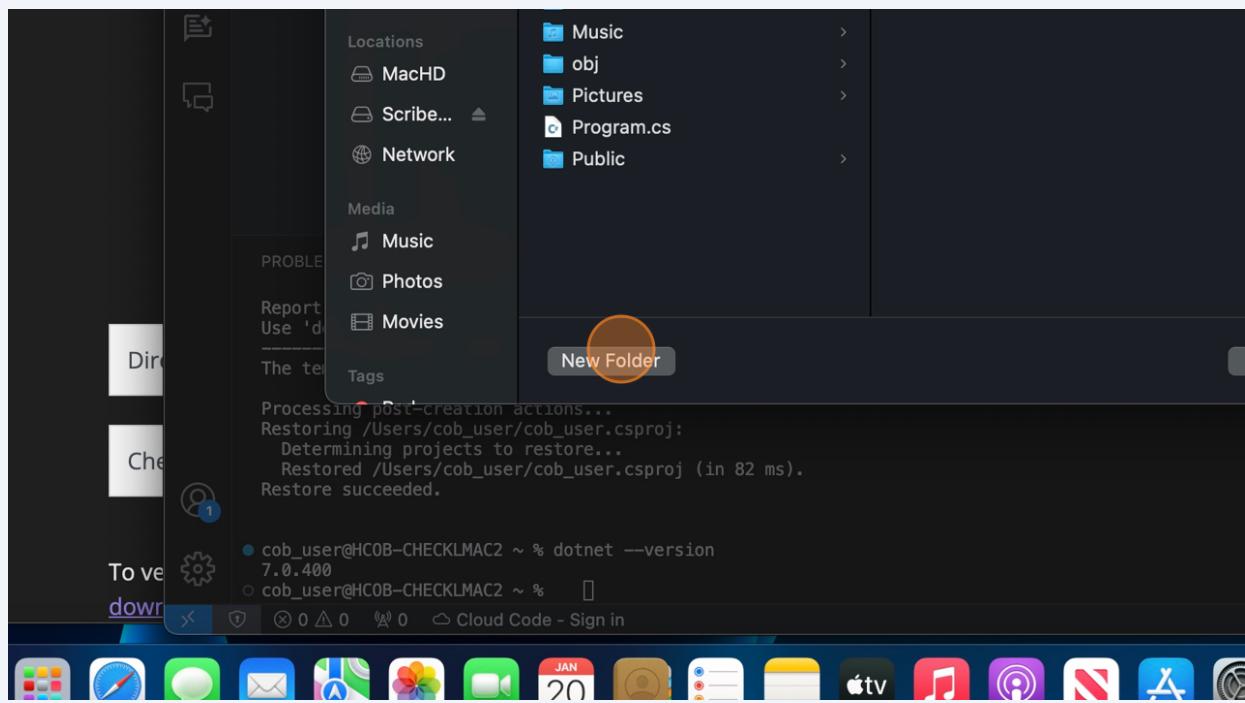
5 Click "Visual Studio Code"



6 Click here

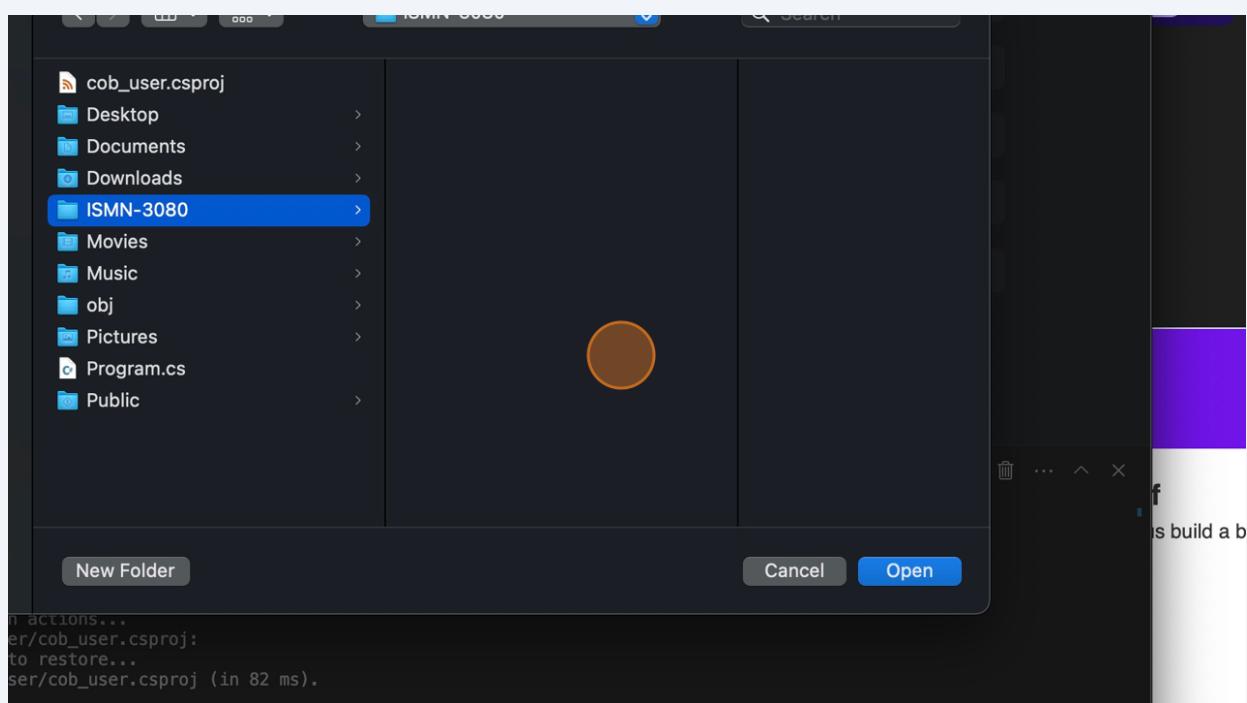


7 Click "New Folder"

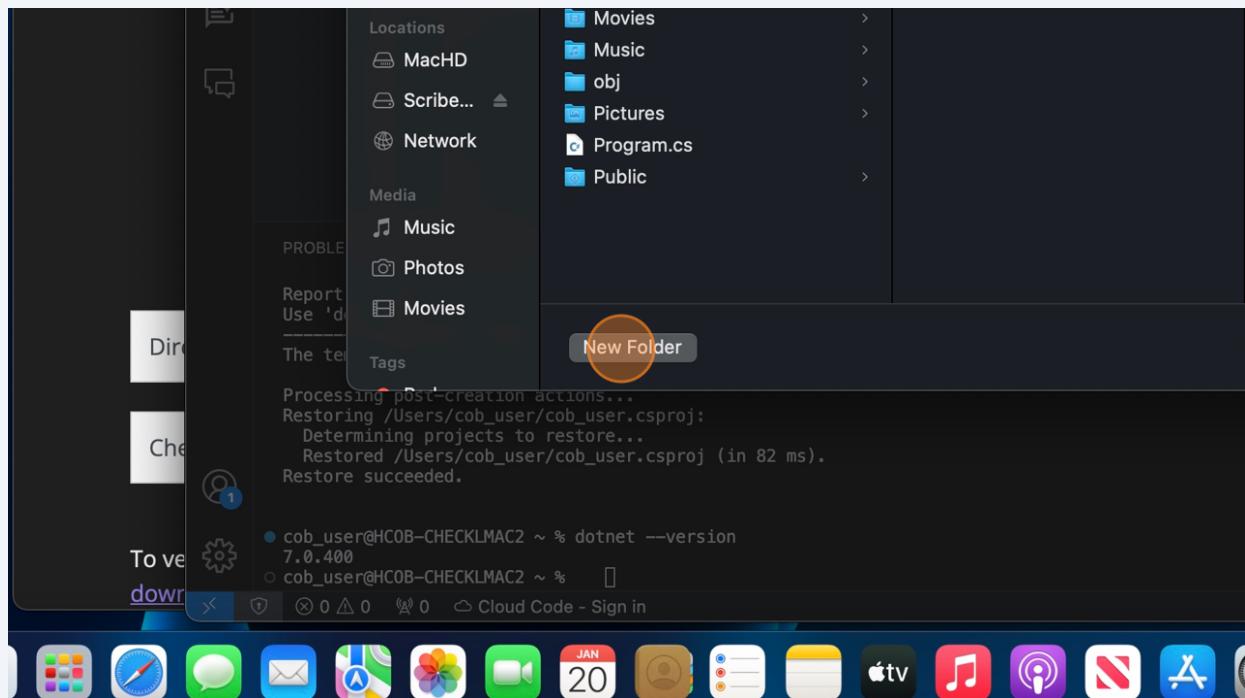


- 8** Create a "ISMN-3080" because this is where all of your lab and programming assignments code will be stored.

- 9** Click this list

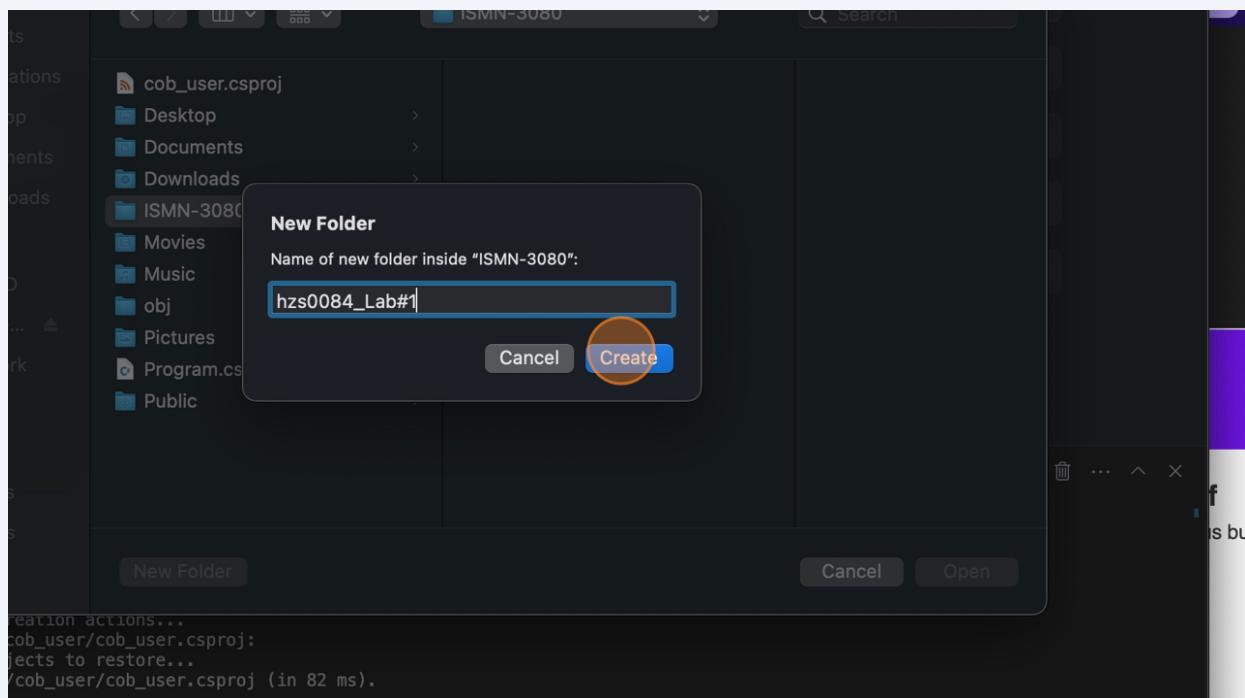


**10** Click "New Folder"

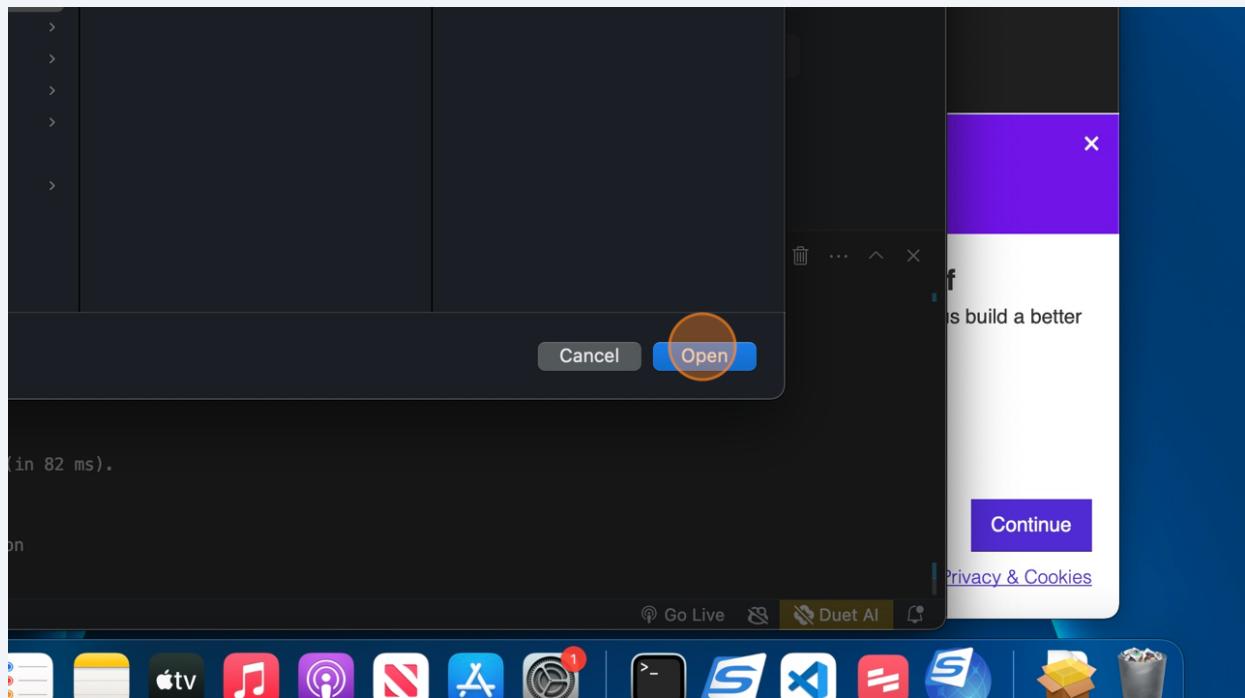


**11** Create a "hzs0084\_Lab#1" folder as this folder will later be used to make the Canvas submission. Each lab will have it's own VS Code files inside that you are going to need to run the code.

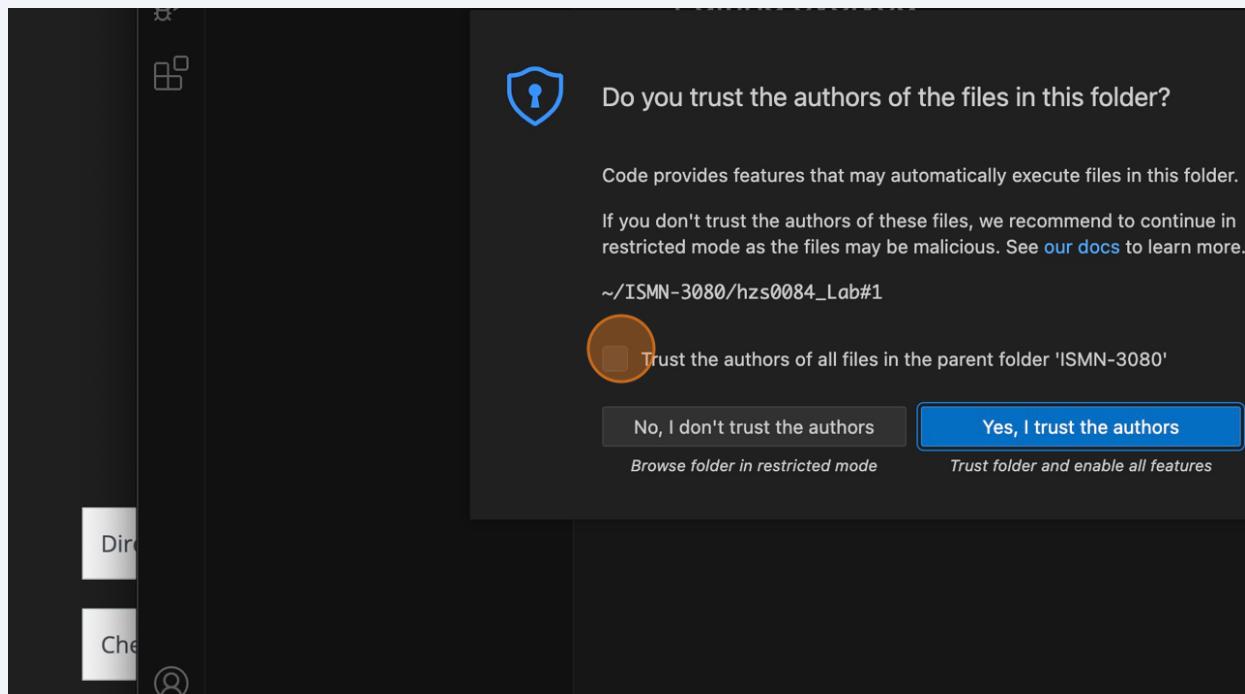
**12** Click "Create"



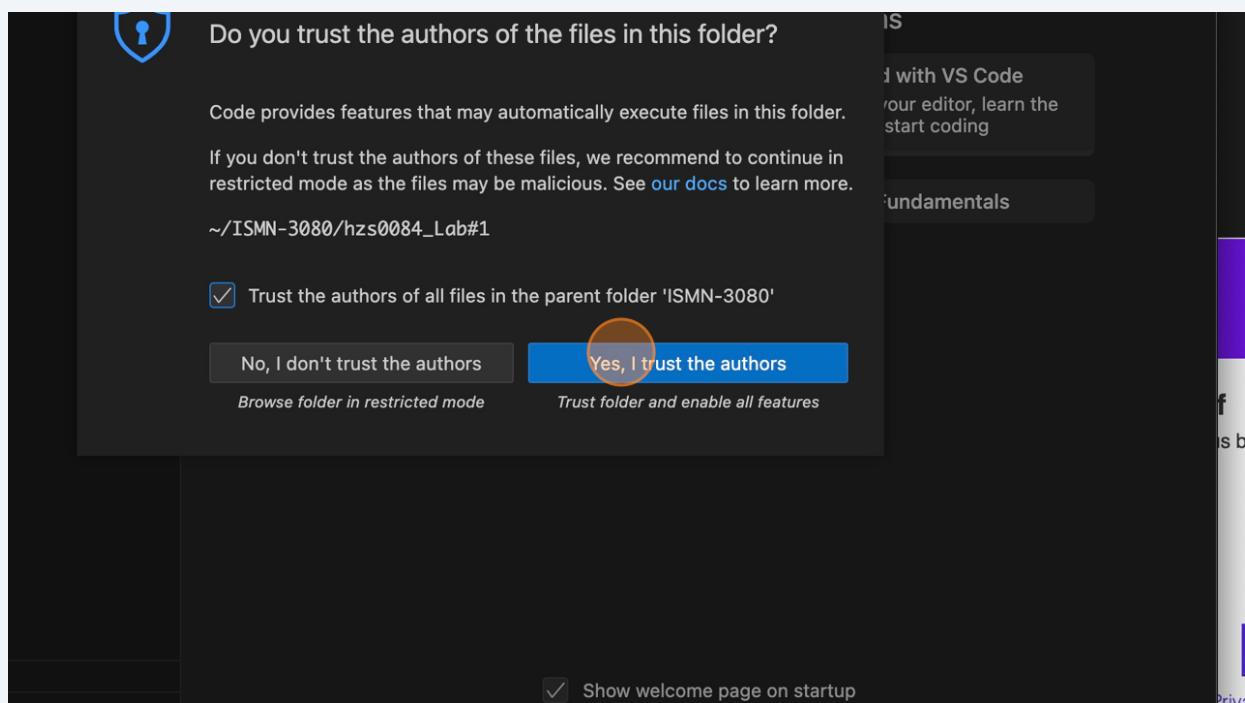
**13** Click "Open"



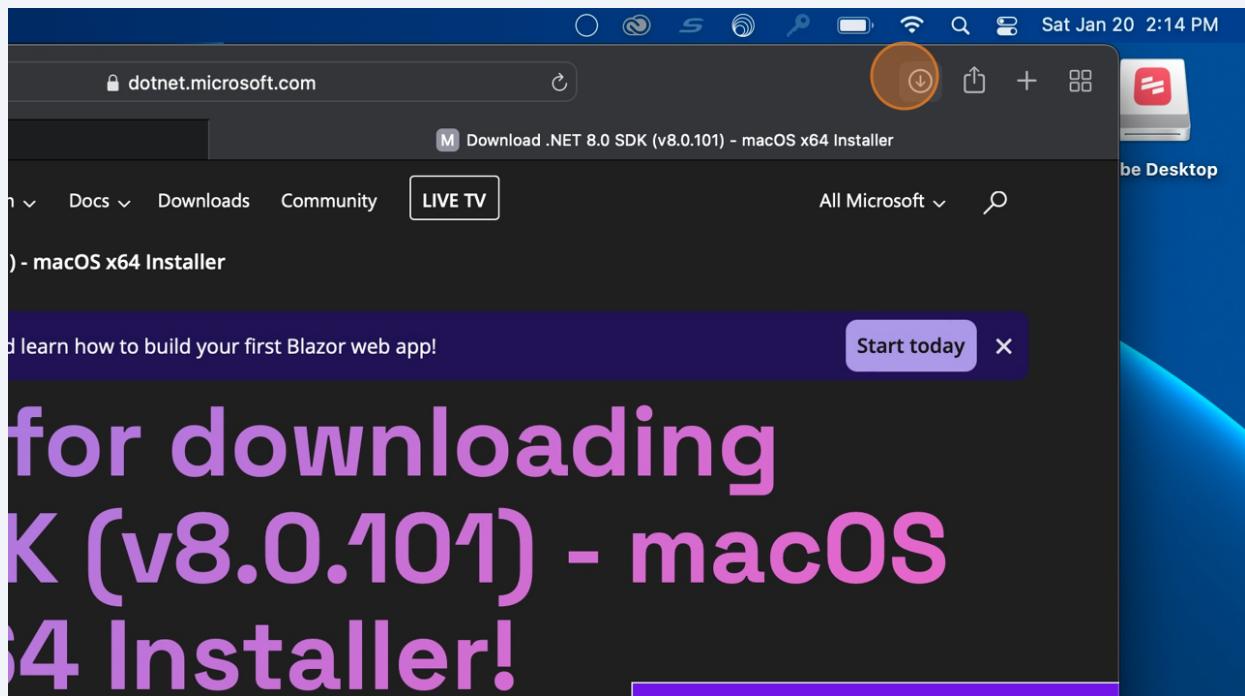
14 Click here



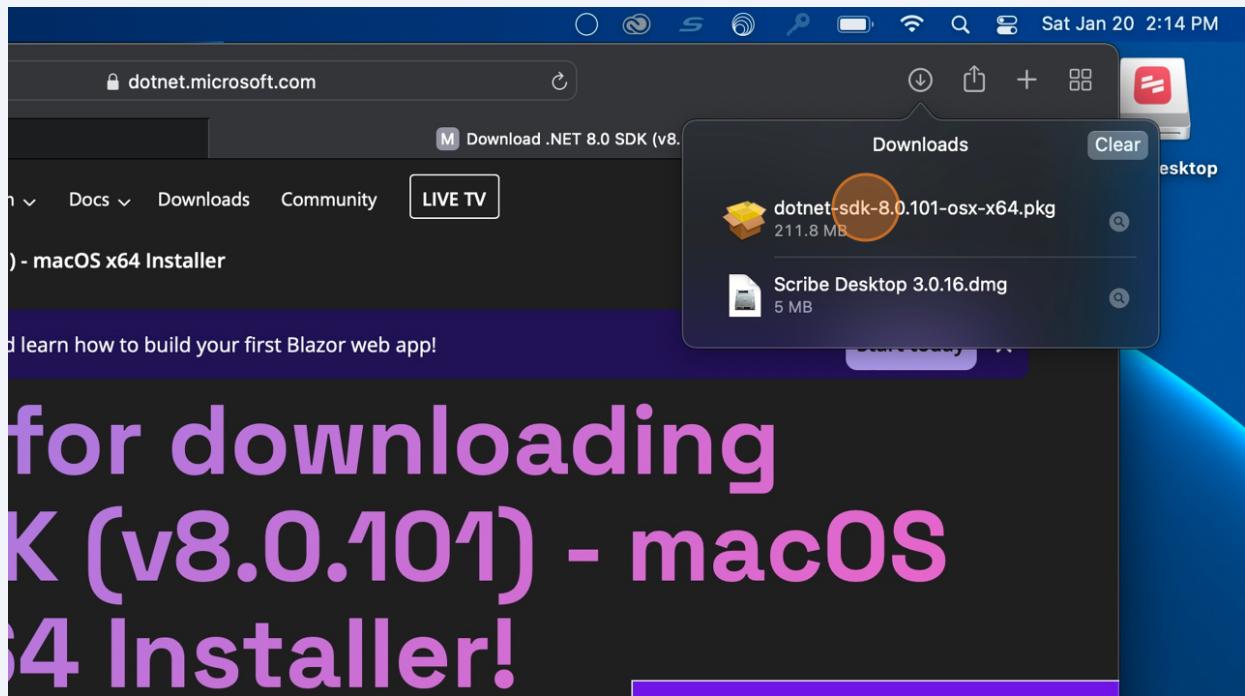
15 Click here



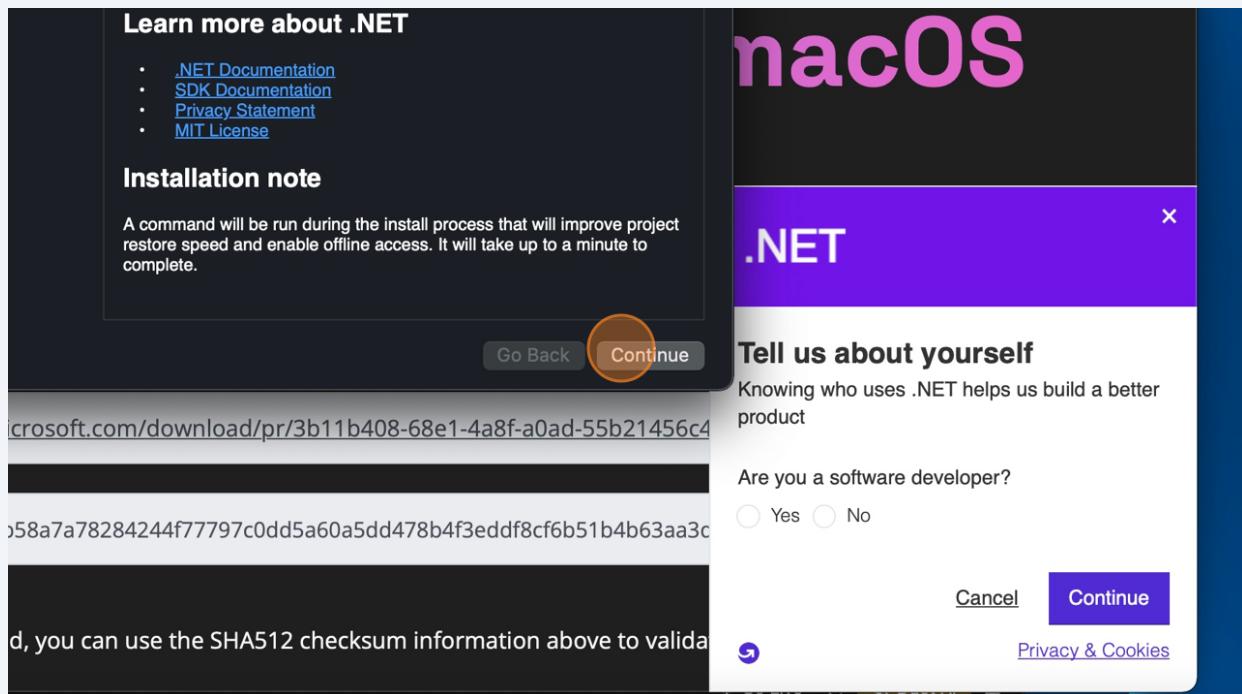
16 Click the Downloads button



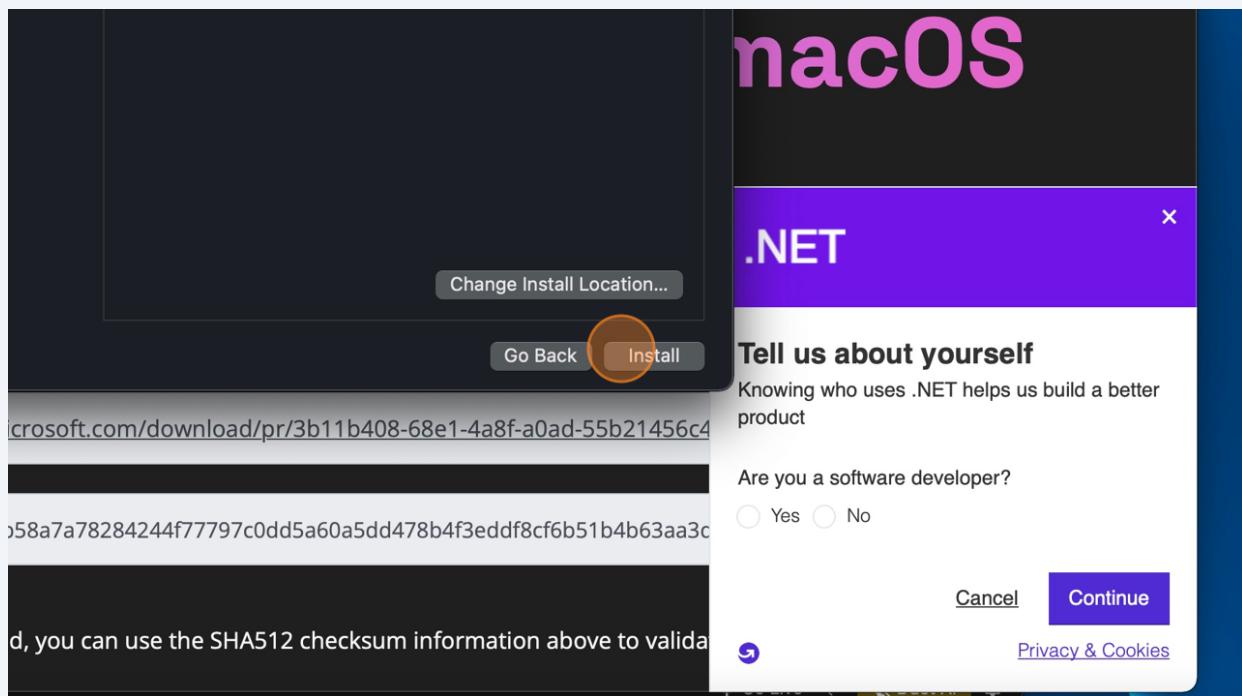
17 Click the dotnet-sdk-8.0.101-osx-x64.pkg download entry



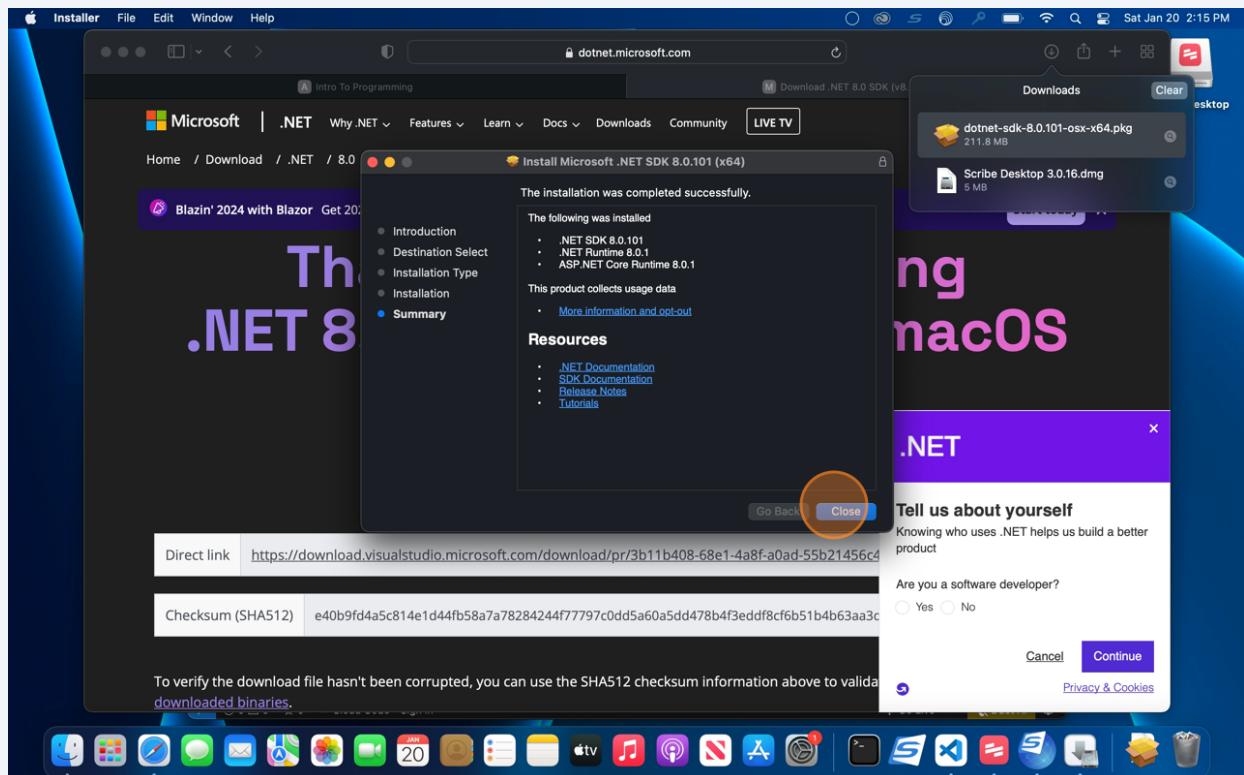
**18** Click "Continue"



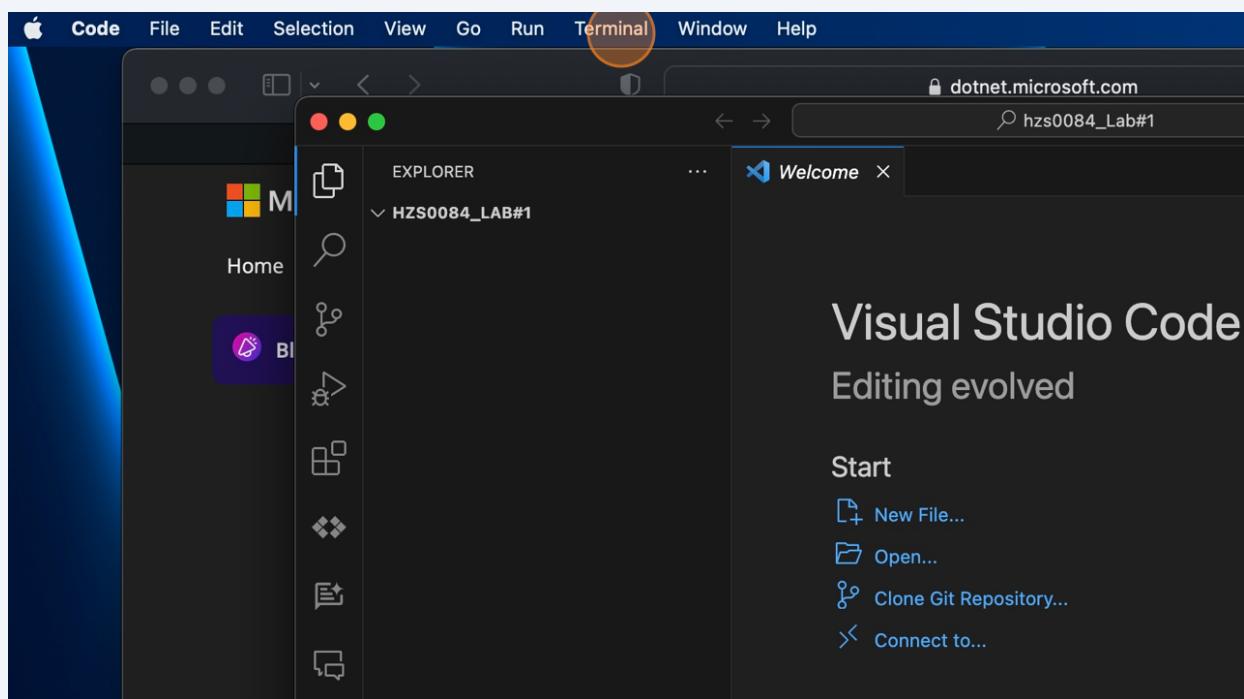
**19** Click "Install"



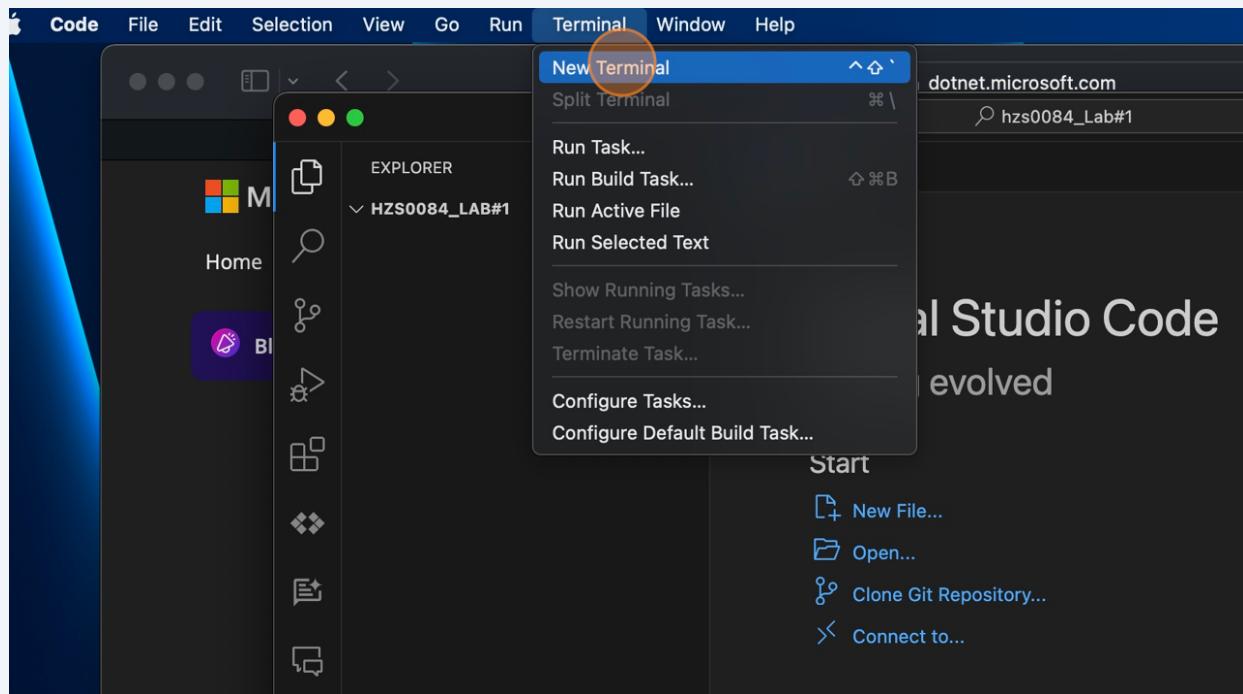
20 Click "Close"



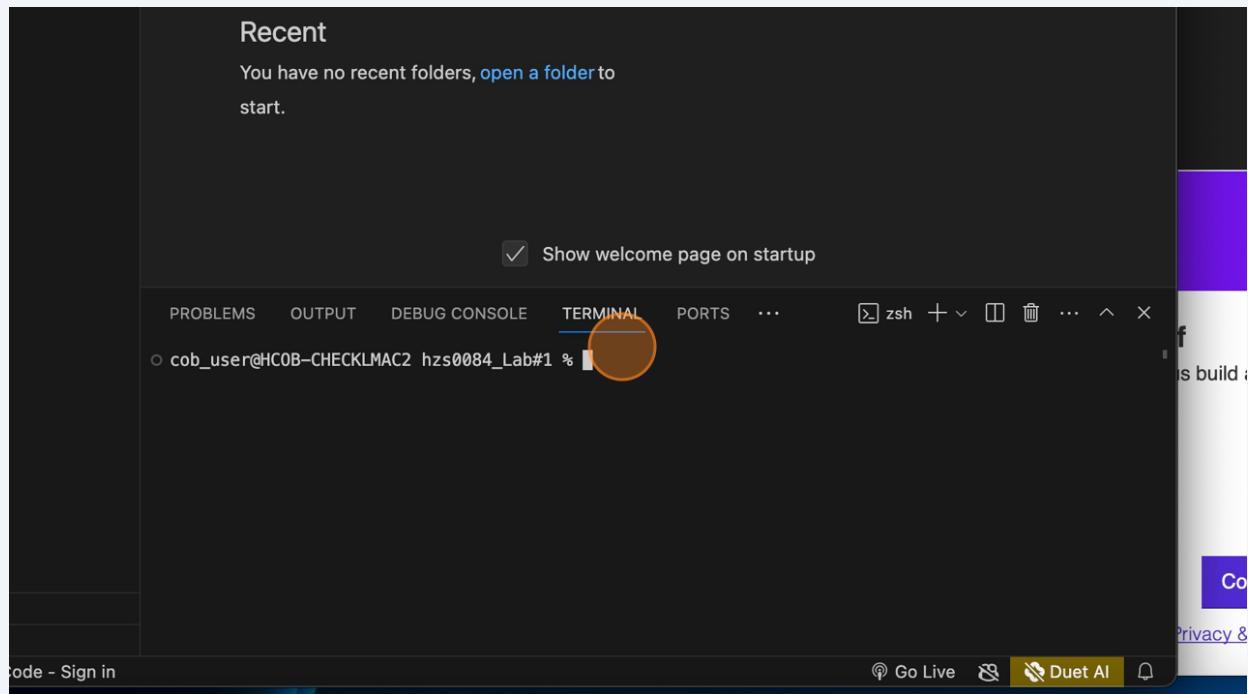
21 Click "Terminal"



22 Click "New Terminal"



23 Click here

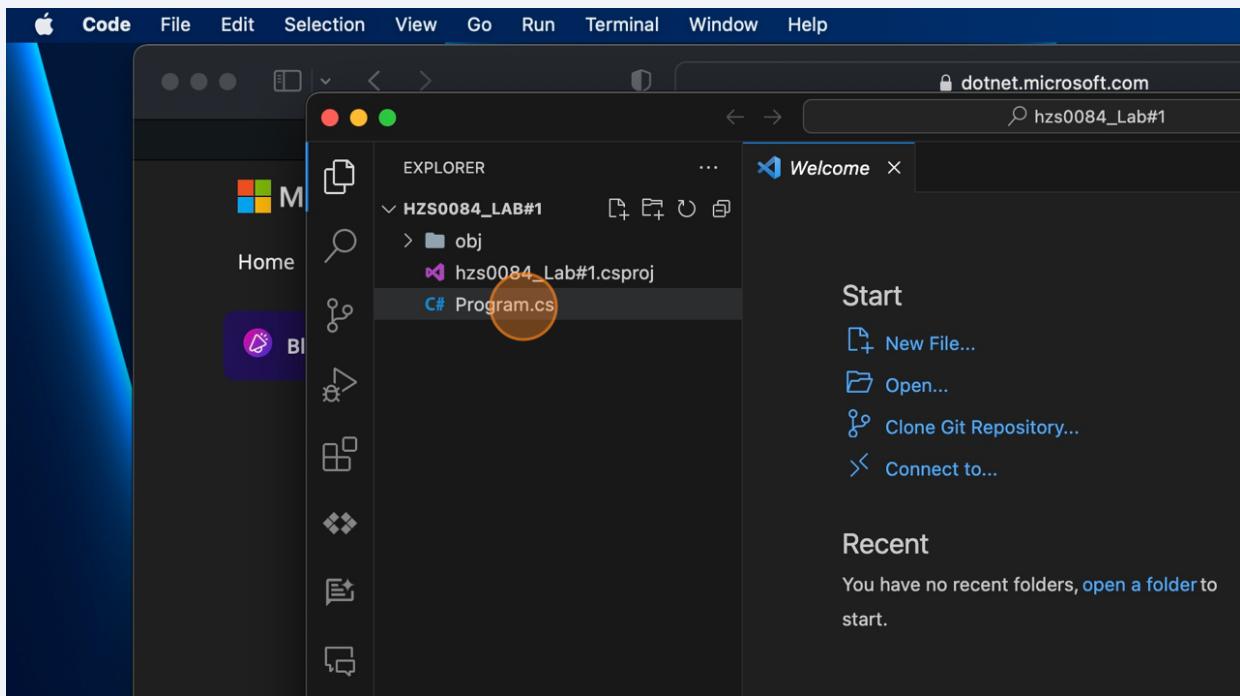


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Type "dotnet new console" and then press Enter. You will see files populate on the left pane.

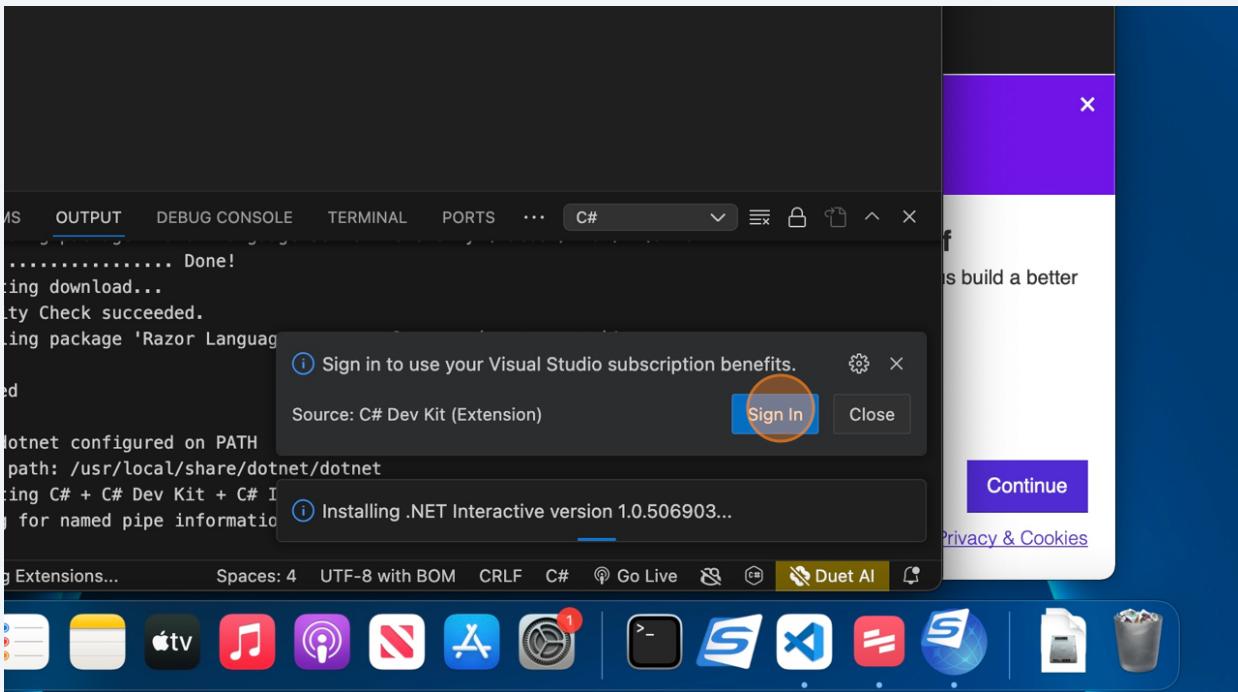
25

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



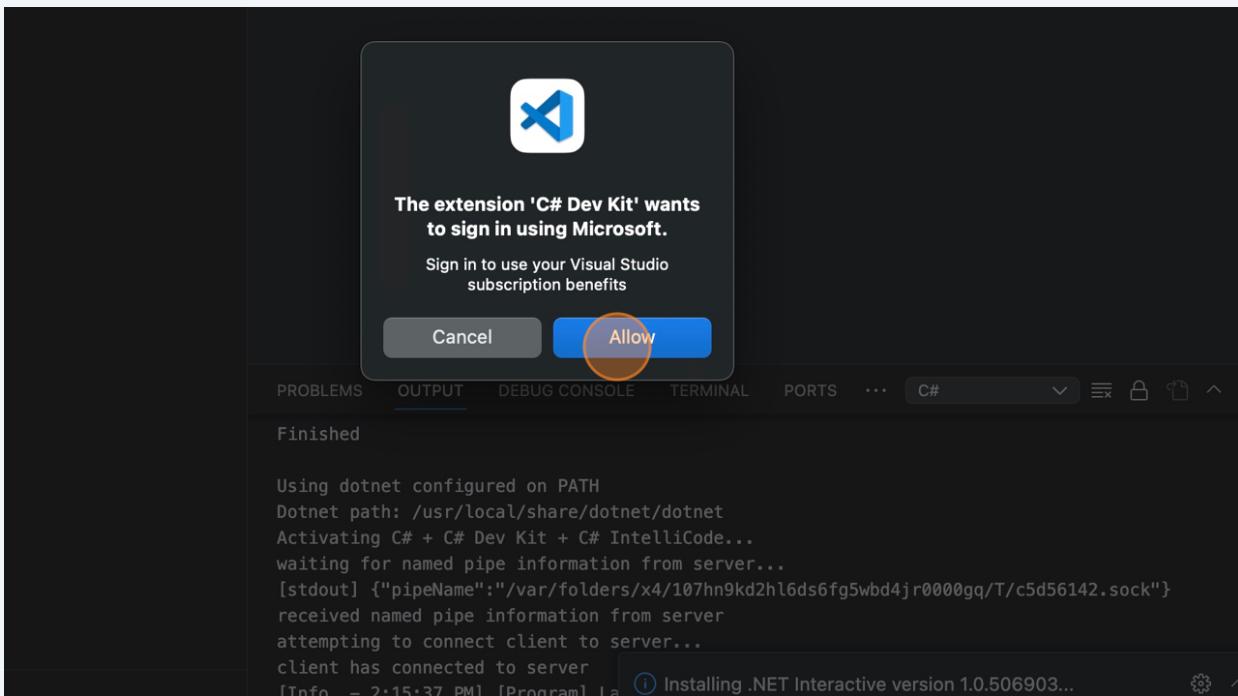
26

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.

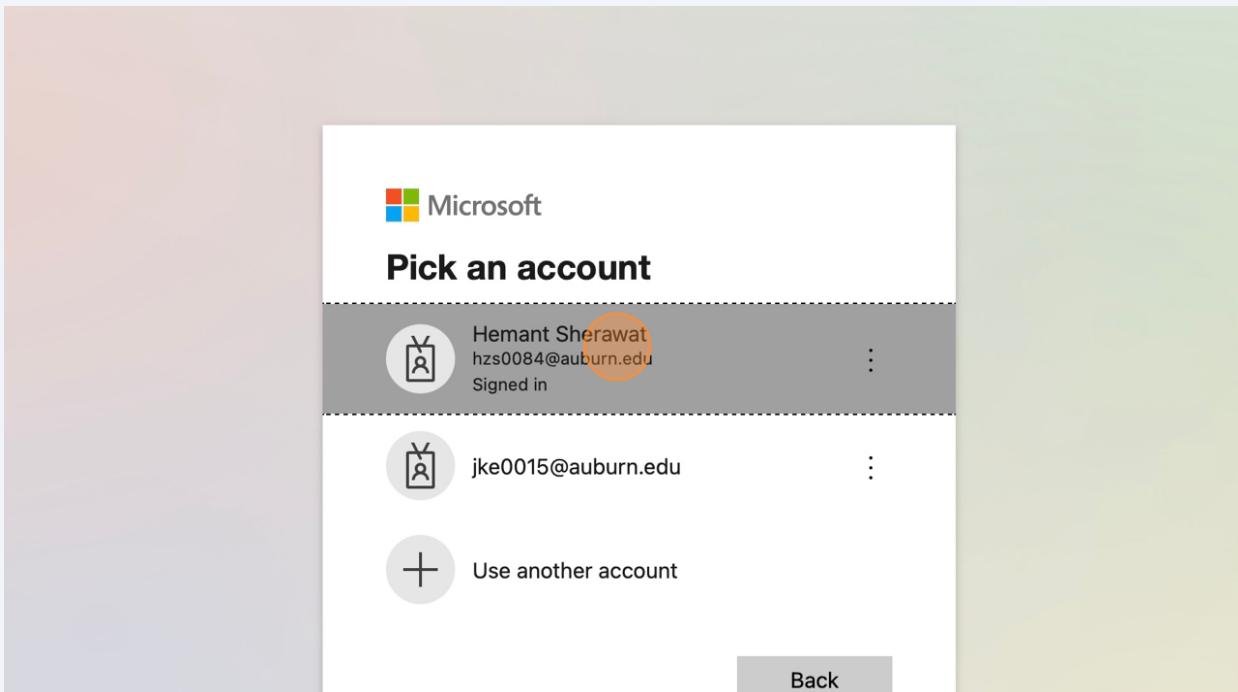


27

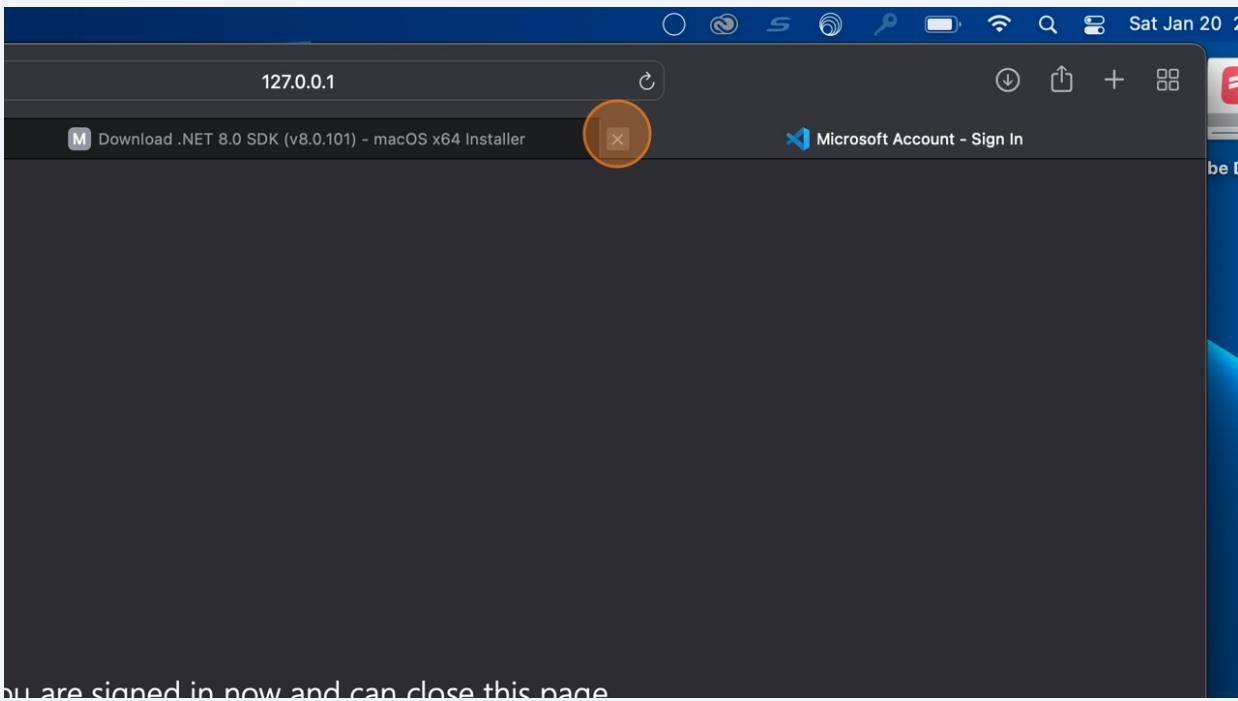
Click "Allow"



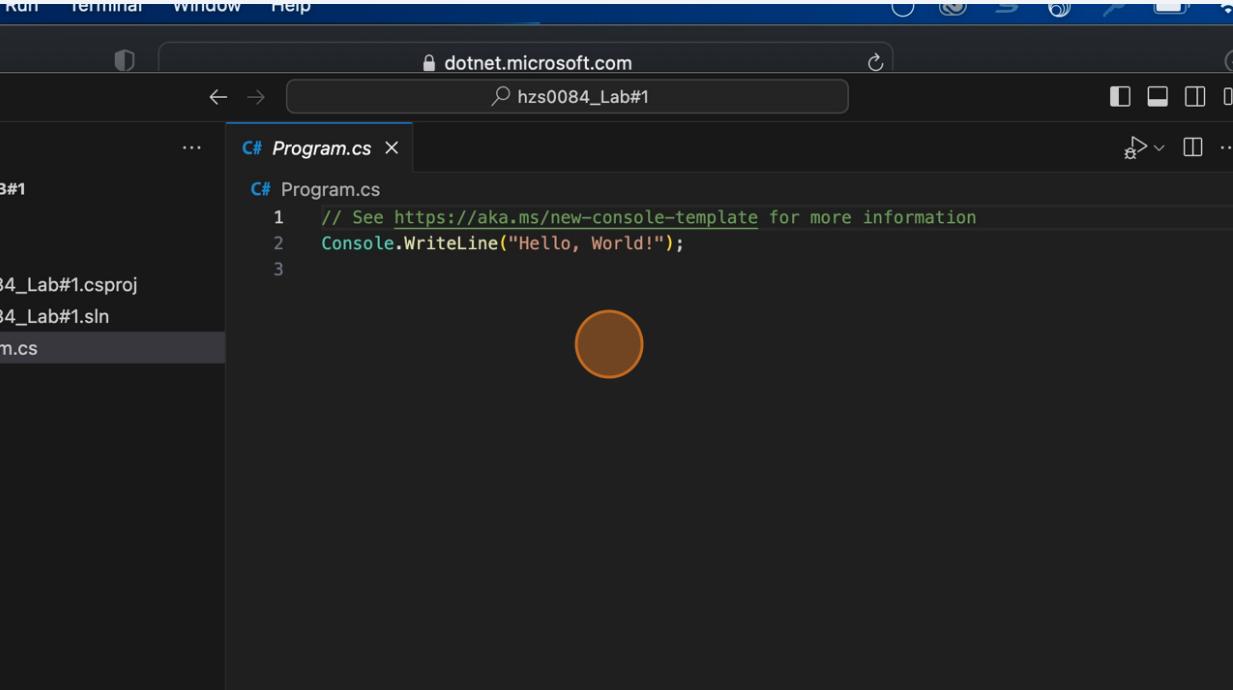
**28** Log in into your Auburn Account and then you can close the browser.



**29** Click "close tab"



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

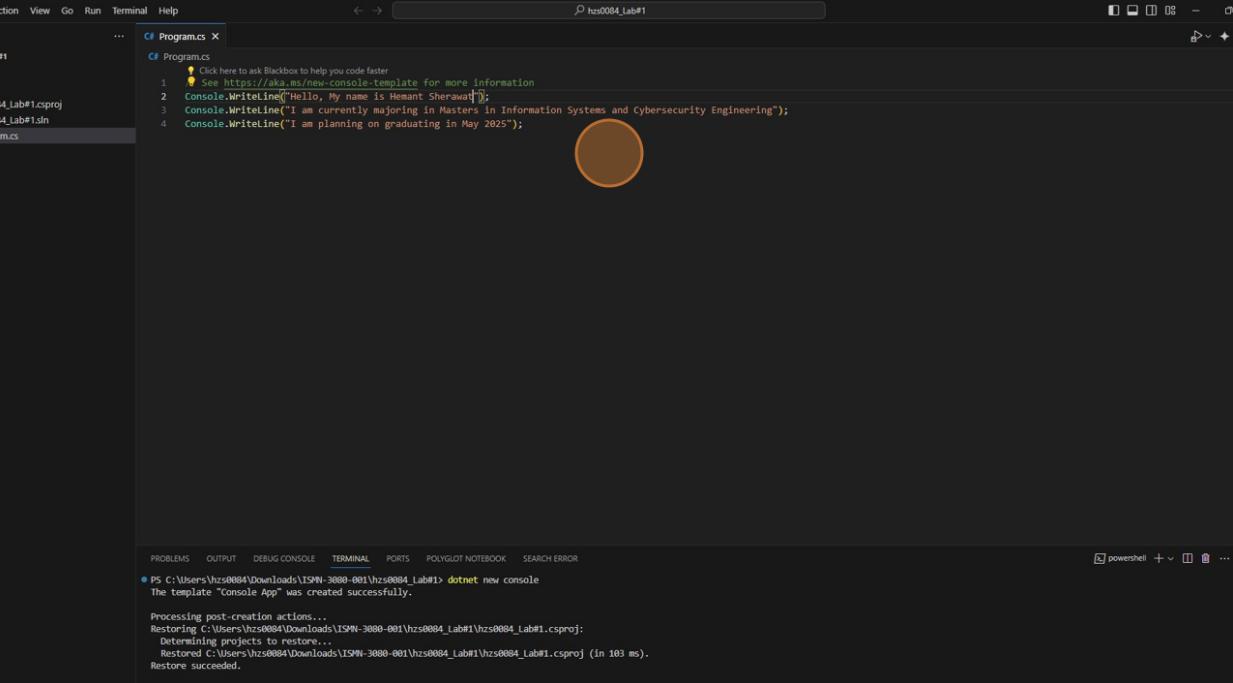


The screenshot shows a browser window with the URL `dotnet.microsoft.com` in the address bar. The page title is "hzs0084\_Lab#1". The main content is a code editor for a `Program.cs` file. The code is:

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

A large orange circle is drawn over the first line of code, specifically around the opening brace of the class definition.

**31** After making changes to the Program.cs file



The screenshot shows the same browser window after changes have been made to the `Program.cs` file. The code now includes additional lines:

```
1 // See https://aka.ms/new-console-template for more information
2 Console.WriteLine("Hello, My name is Hemant Sheraawat");
3 Console.WriteLine("I am currently majoring in Masters in Information Systems and Cybersecurity Engineering");
4 Console.WriteLine("I am planning on graduating in May 2025");
```

A large orange circle is drawn over the last three lines of code, specifically around the second and third `Console.WriteLine` statements.

**32** Click here

```
Explore documentation: https://aka.ms/dotnet-docs
Report issues and find source on GitHub: https://github.com/dotnet/core
Use 'dotnet --help' to see available commands or visit: https://aka.ms/dotnet-cli

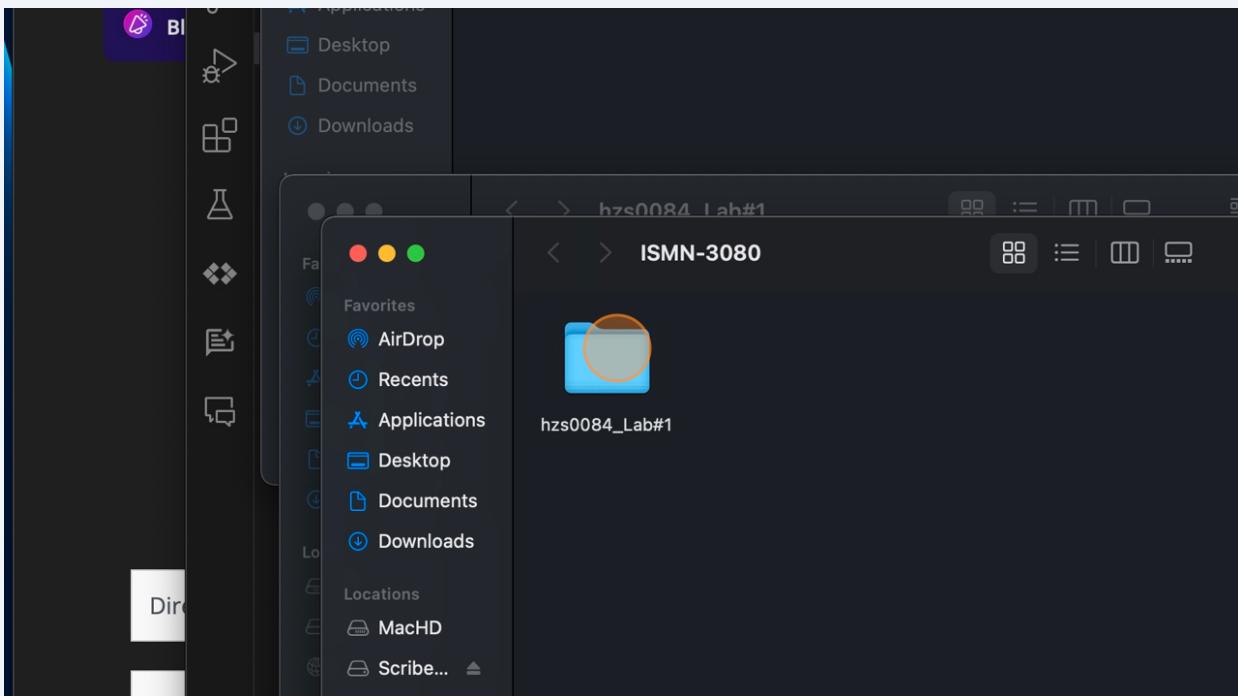
An issue was encountered verifying workloads. For more information, run "dotnet workload update".
The template "Console App" was created successfully.

Processing post-creation actions...
Restoring /Users/cob_user/ISMN-3080/hzs0084_Lab#1/hzs0084_Lab#1.csproj:
  Determining projects to restore...
    Restored /Users/cob_user/ISMN-3080/hzs0084_Lab#1/hzs0084_Lab#1.csproj (in 522 ms).
Restore succeeded.

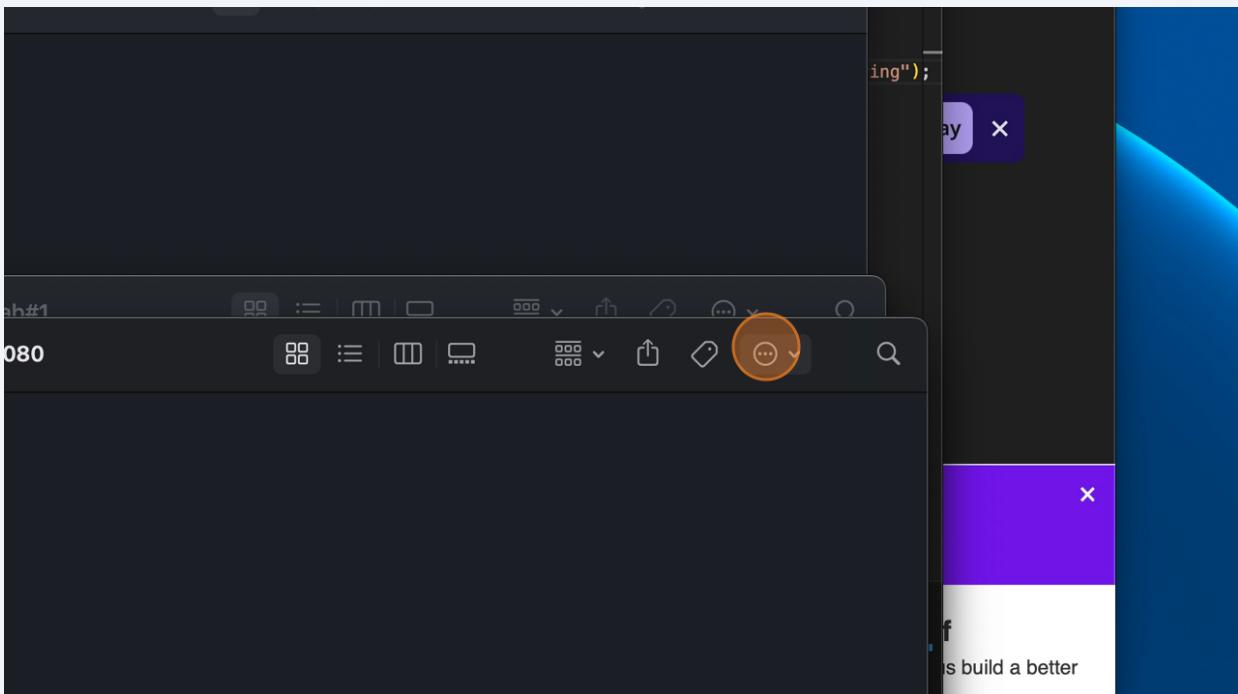
cob_user@HC0B-CHECKLMAC2 hzs0084_Lab#1 %
```

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

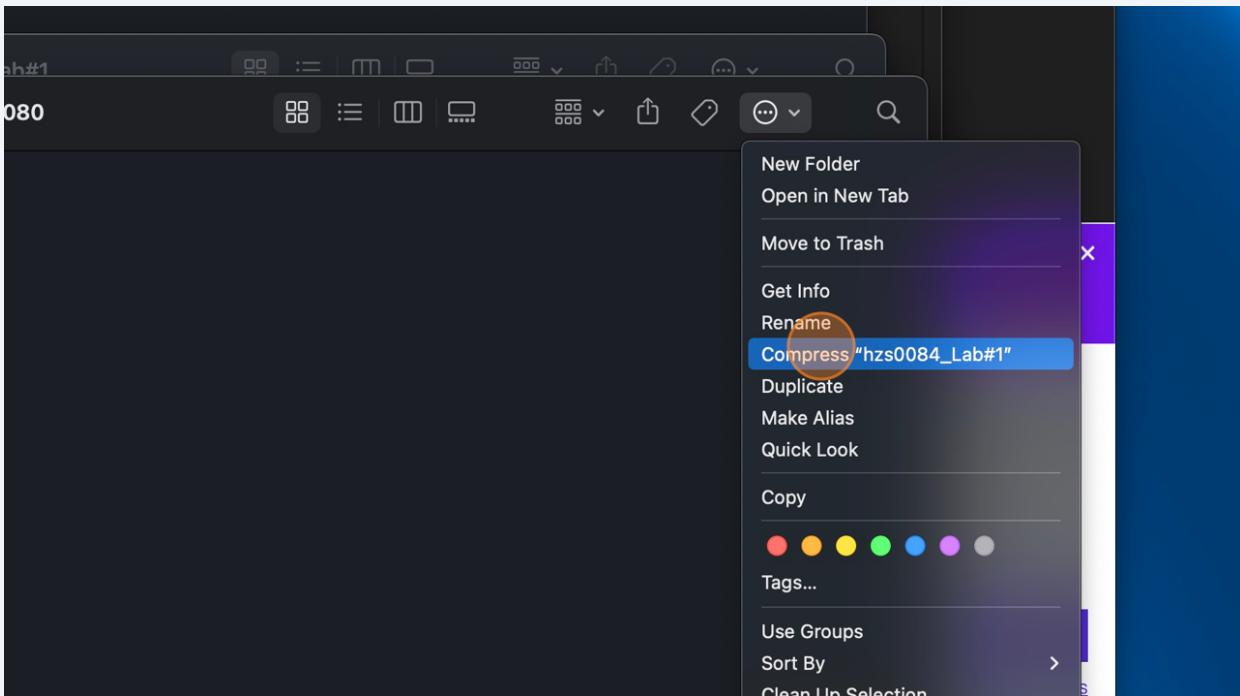
**34** Click "hzs0084\_Lab#1"



**35** Click the Action menu button



36 Click "Compress "hzs0084\_Lab#1""



37 Use that "hzs0084\_Lab#1.zip" for your Canvas submission.

