

AI-Assisted Coding

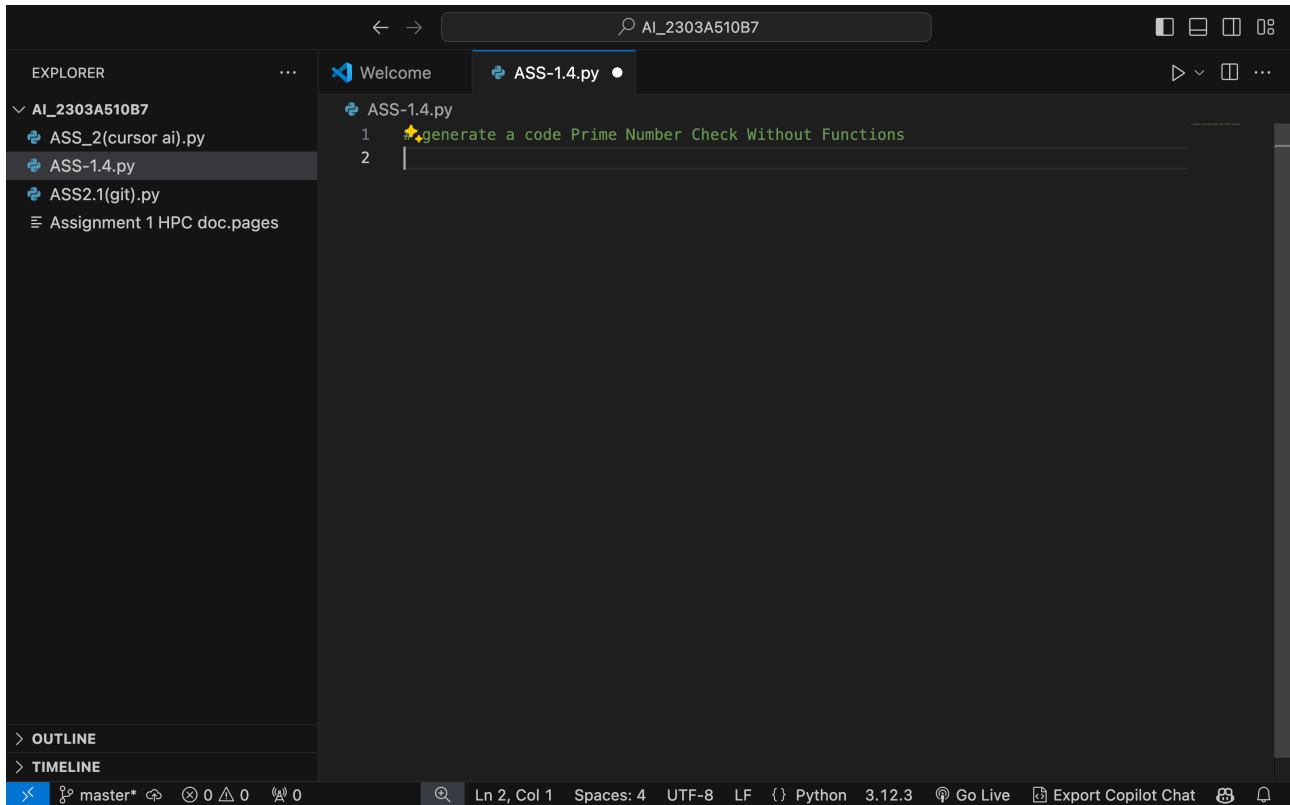
2303A510B7(Harini)

Assignment-1.4

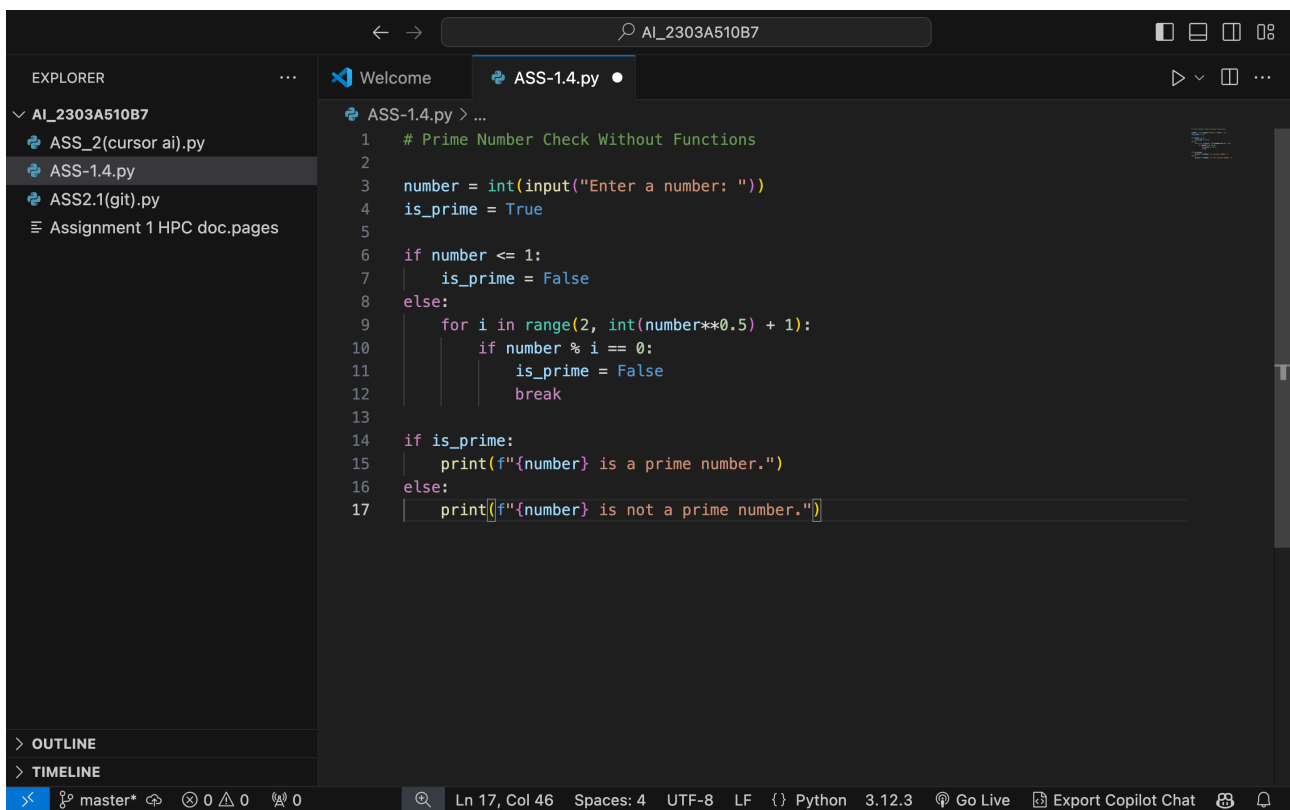
The screenshot shows the Visual Studio Code interface with the Extensions view open. The 'Extension: GitHub Copilot' page is displayed. The left sidebar lists installed extensions: GitHub Copilot (117ms), Jupyter, Jupyter Notebook Render..., Pylance, and Python. Recommended extensions include Docker and Microsoft Edge. The main panel shows the GitHub Copilot extension details, including its version (v1.388.0), GitHub repository link, and a 5-star rating (1041). The extension is described as 'Your AI peer programmer'. It includes buttons for 'Restart to Update', 'Disable', and 'Uninstall'. The description states that GitHub Copilot is an AI peer programming tool that helps you write code faster and smarter. It adapts to your unique needs, allowing you to select the best model for your project, customize chat responses with custom instructions, and utilize agent mode for AI-powered, seamlessly integrated peer programming sessions. A 'Sign up for GitHub Copilot Free!' button is visible. The right sidebar shows categories (AI, Chat, Programming Languages, Machine Learning) and resources (Marketplace, Issues, License, GitHub).

The screenshot shows the Visual Studio Code interface with the Extensions view open. The 'Extension: GitHub Copilot Chat' page is displayed. The left sidebar lists installed extensions: GitHub Copilot Chat (54ms), GitHub Copilot Chat..., HTML/CSS/JavaScript Snippets, Docker, and Microsoft Edge. Recommended extensions include Docker and Microsoft Edge. The main panel shows the GitHub Copilot Chat extension details, including its version (v0.17.1), GitHub repository link, and a 5-star rating. The extension is described as 'AI chat features powered by Copilot'. It includes buttons for 'Disable' and 'Uninstall'. The description states that GitHub Copilot is an AI peer programming tool that helps you write code faster and smarter. A 'Sign up for a GitHub Copilot free trial' button is visible. The right sidebar shows categories (AI, Chat, Programming Languages, Machine Learning) and more info (Last updated: 2026-01-08, 09:34:13; Identifier: github.copilot-chat).

AI-Generated Logic Without Modularization (Prime Number Check Without Functions)



```
ASS-1.4.py
1 generate a code Prime Number Check Without Functions
2 |
```



```
ASS-1.4.py > ...
1 # Prime Number Check Without Functions
2
3 number = int(input("Enter a number: "))
4 is_prime = True
5
6 if number <= 1:
7     is_prime = False
8 else:
9     for i in range(2, int(number**0.5) + 1):
10         if number % i == 0:
11             is_prime = False
12             break
13
14 if is_prime:
15     print(f"{number} is a prime number.")
16 else:
17     print(f"{number} is not a prime number.")
```

AI_2303A510B7

EXPLOREWelcomeASS-1.4.py

AI_2303A510B7
ASS_2(cursor ai).py
ASS-1.4.py
ASS2.1(git).py
Assignment 1 HPC doc.pages

ASS-1.4.py > ...
1 # Prime Number Check Without Functions
2
3 number = int(input("Enter a number: "))
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9 for i in range(2, int(number**0.5) + 1):
10 if number % i == 0:
11 is_prime = False

PROBLEMSOUTPUTDEBUG CONSOLETERMINALCOMMENTSPython + - [] ... ^ x
/usr/local/bin/python3 /Users/harini/Desktop/AI_2303A510B7/ASS-1.4.py
● (base) harini@HARINIS-MacBook-Air AI_2303A510B7 % /usr/local/bin/python3 /Users/harini/Desktop/AI_2303A510B7/ASS-1.4.py
Enter a number: 15662
15662 is not a prime number.
○ (base) harini@HARINIS-MacBook-Air AI_2303A510B7 %

> OUTLINE
> TIMELINE

master* 0 0 0Ln 17, Col 46Spaces: 4UTF-8LFPython 3.12.3Go LiveExport Copilot Chat