AI-Assignment-5

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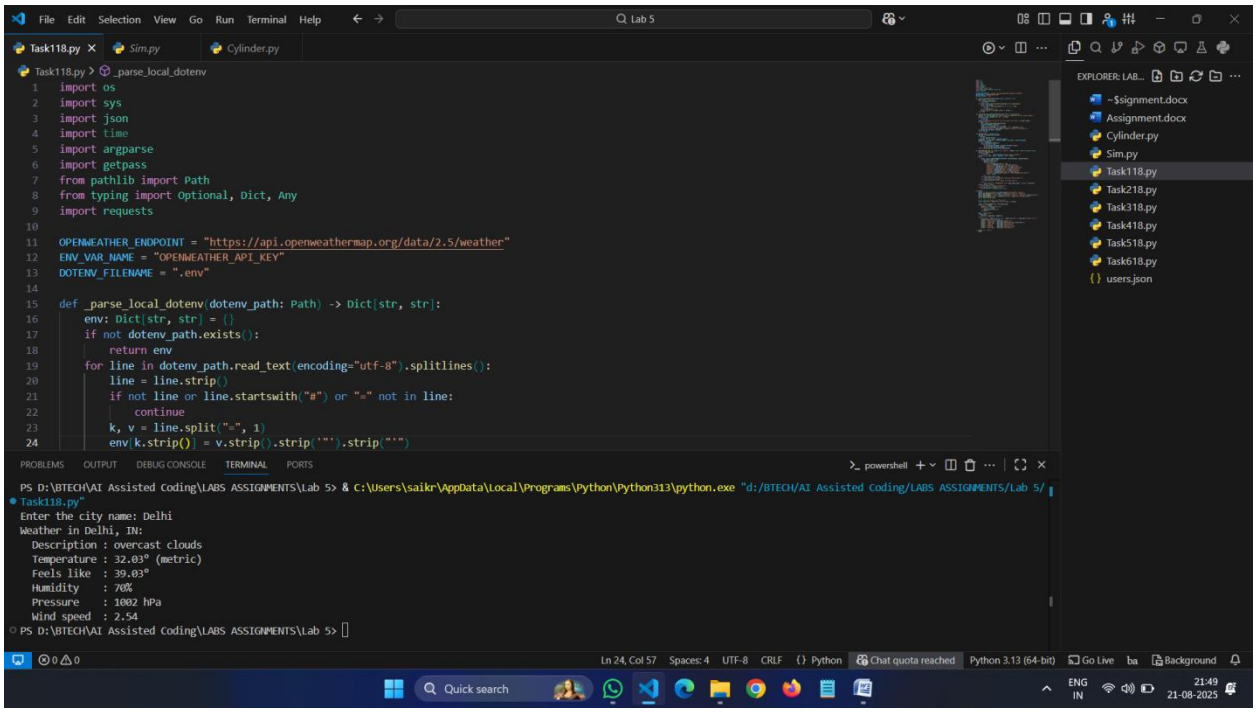
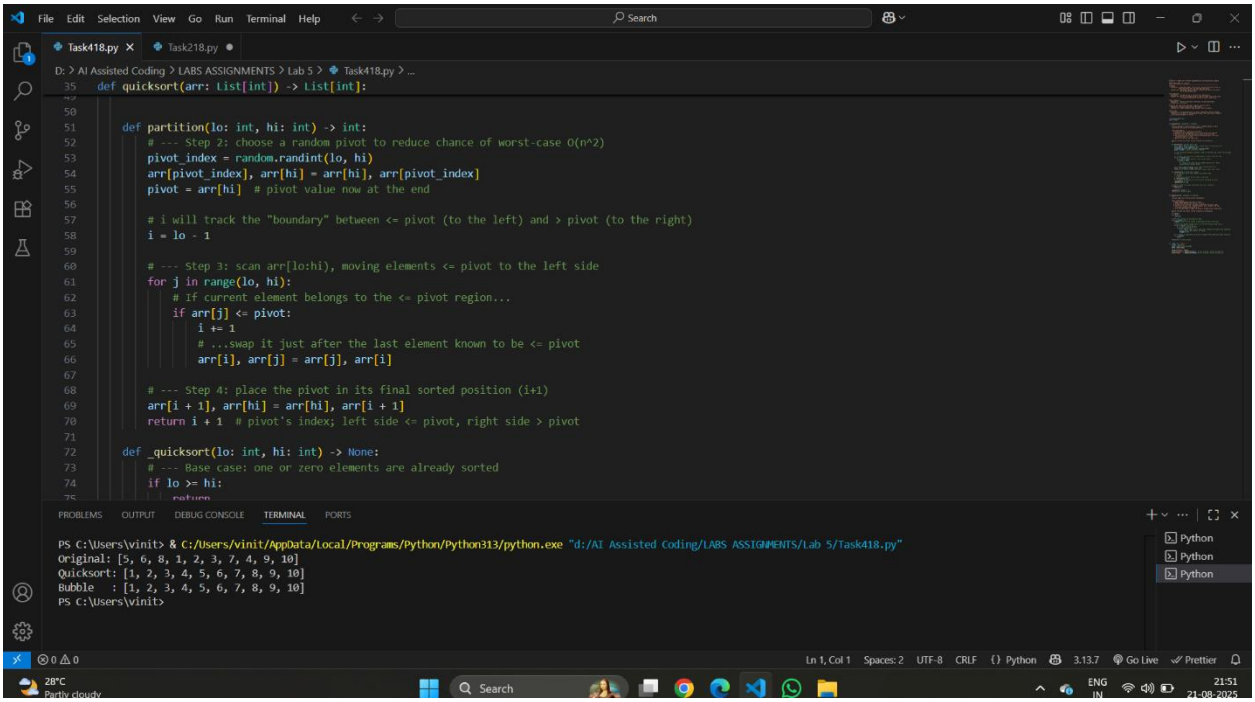
ROLL NO : 2403a52411

BATCH:15

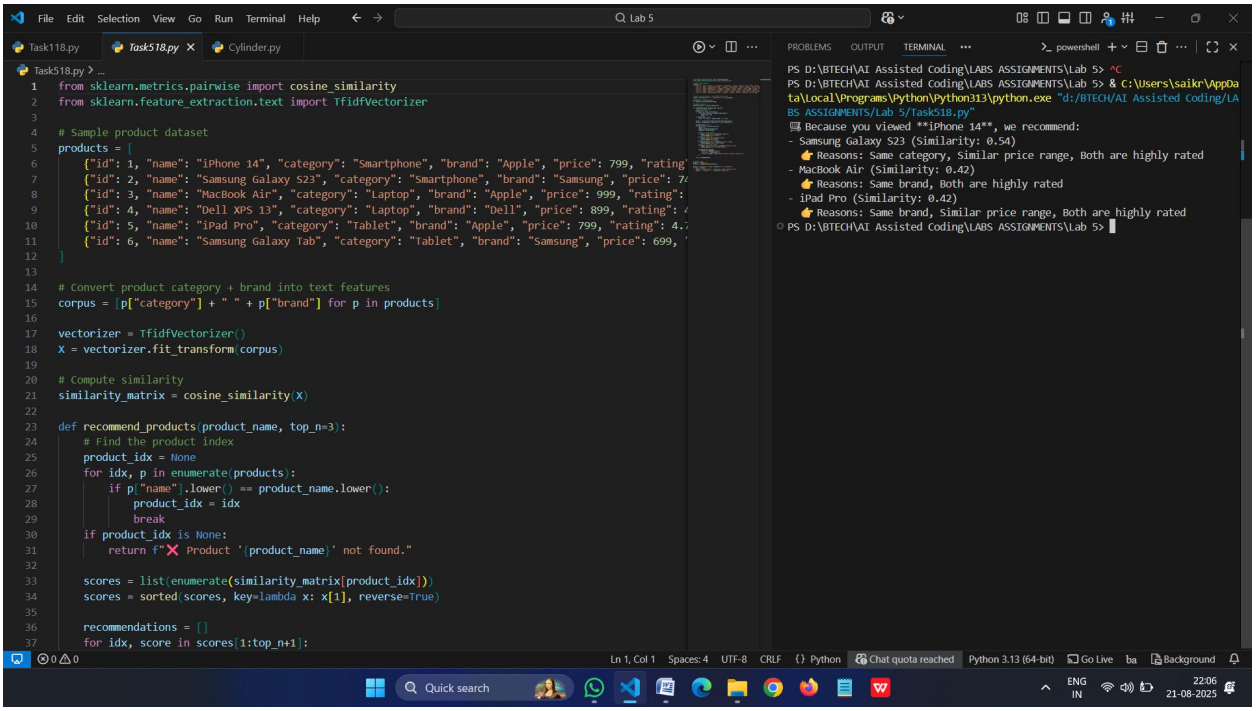
- Generate code to fetch weather data securely without exposing API keys in the code.



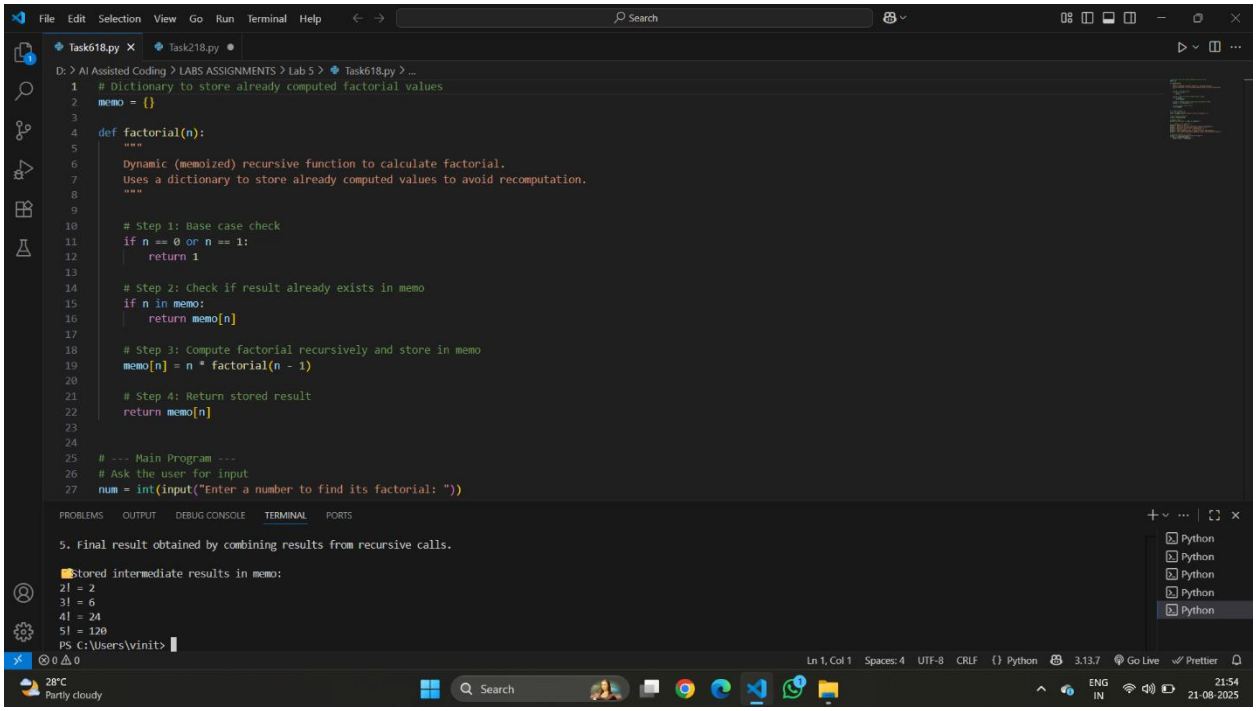
- Generate Python code for QuickSort and BubbleSort, and include comments explaining step-by-step how each works and where they differ.



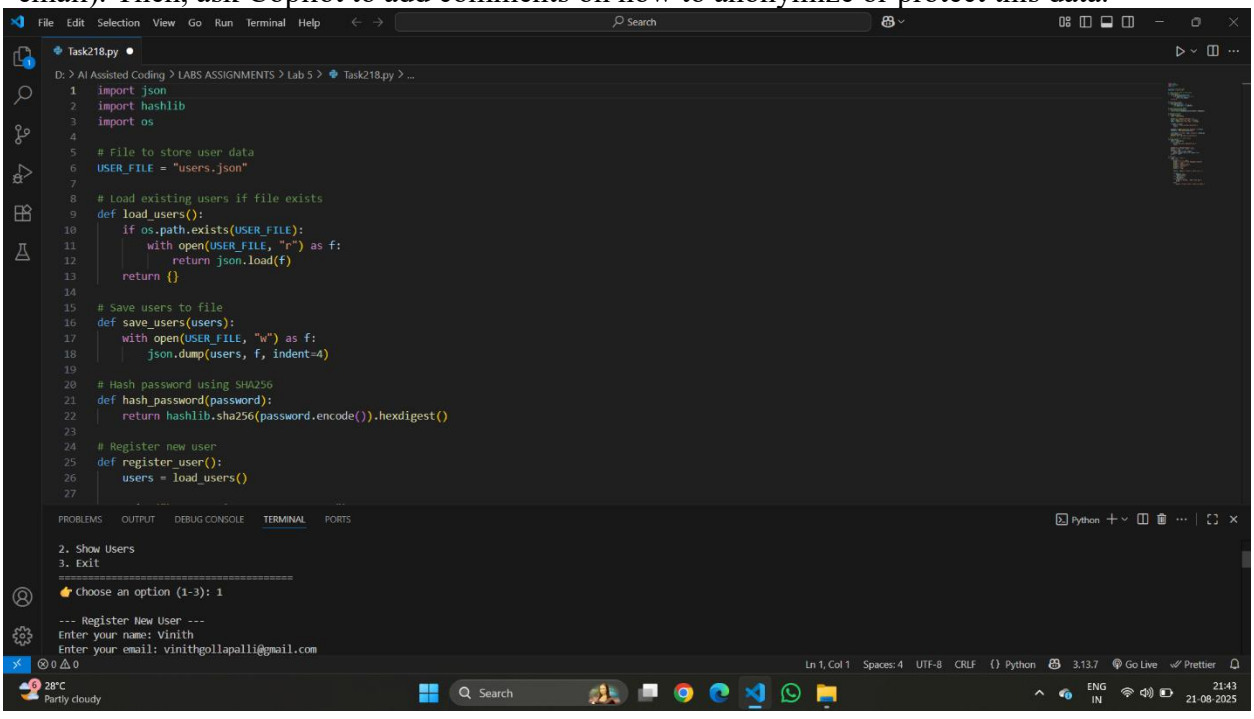
- Generate a recommendation system that also provides reasons for each suggestion



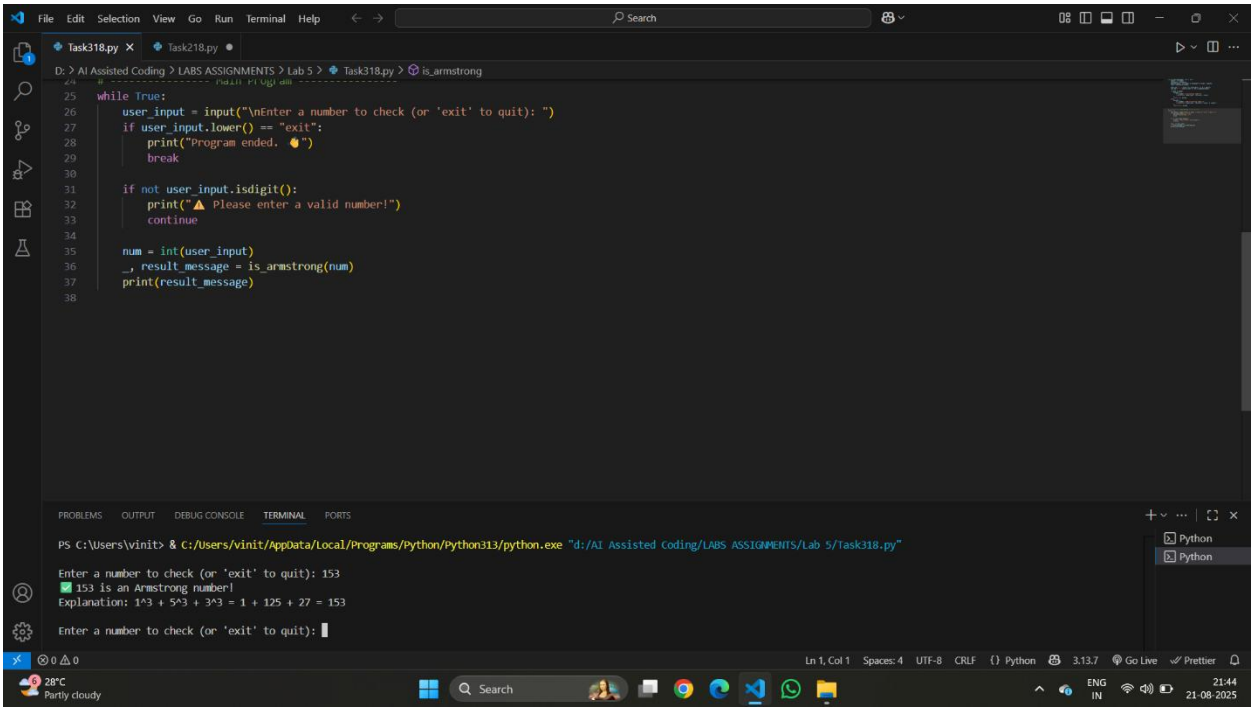
- Generate a recursive factorial function with comments that explain each line and a final summary of the algorithm's flow



• Prompt GitHub Copilot to generate a Python script that collects user data (e.g., name, age, email). Then, ask Copilot to add comments on how to anonymize or protect this data.



- Generate an Armstrong number checking function with comments and explanation.


File Edit Selection View Go Run Terminal Help
Search
Task318.py
Task218.py
D: > AI Assisted Coding > LABS ASSIGNMENTS > Lab 5 > Task318.py > is_armstrong
while True:
user_input = input("\nEnter a number to check (or 'exit' to quit): ")
if user_input.lower() == "exit":
print("Program ended. 👋")
break
if not user_input.isdigit():
print("⚠️ Please enter a valid number!")
continue
num = int(user_input)
_, result_message = is_armstrong(num)
print(result_message)
PROBLEMS OUTPUT DEBUG CONSOLE TERMINAL PORTS
PS C:\Users\vinit> & C:/Users/vinit/AppData/Local/Programs/Python/Python313/python.exe "d:/AI Assisted Coding/LABS ASSIGNMENTS/Lab 5/Task318.py"
Enter a number to check (or 'exit' to quit): 153
✅ 153 is an Armstrong number!
Explanation: 1^3 + 5^3 + 3^3 = 1 + 125 + 27 = 153
Enter a number to check (or 'exit' to quit):
Python
Python
Ln 1, Col 1 Spaces: 4 UTF-8 CRLF {} Python 3.13.7 Go Live Prettier
28°C
Partly cloudy
Search
ENG
IN
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21-08-2025