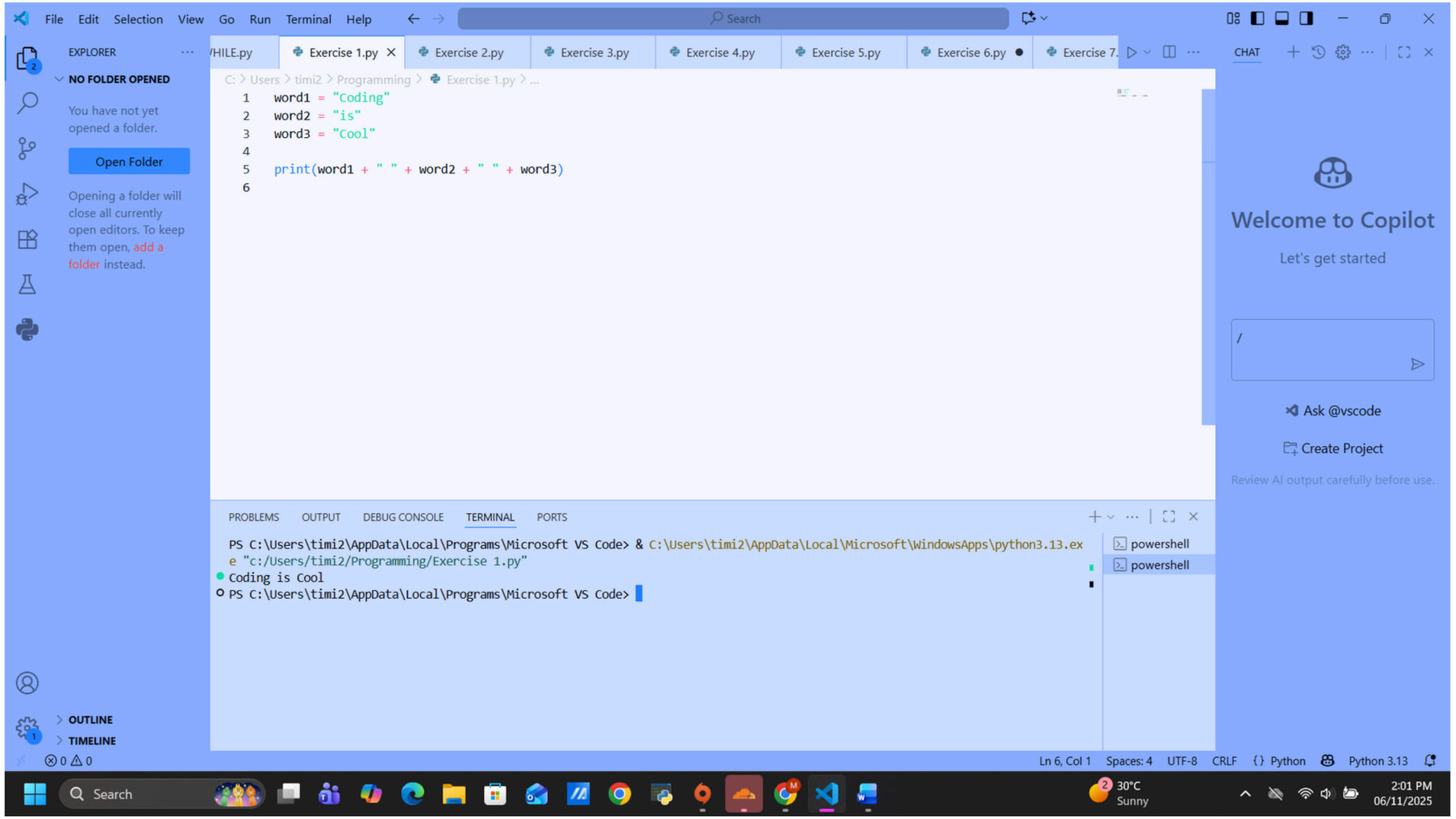
Introduction to Programming

Marc Joshua A. domingo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Search
EXPLORER
NO FOLDER OPENED
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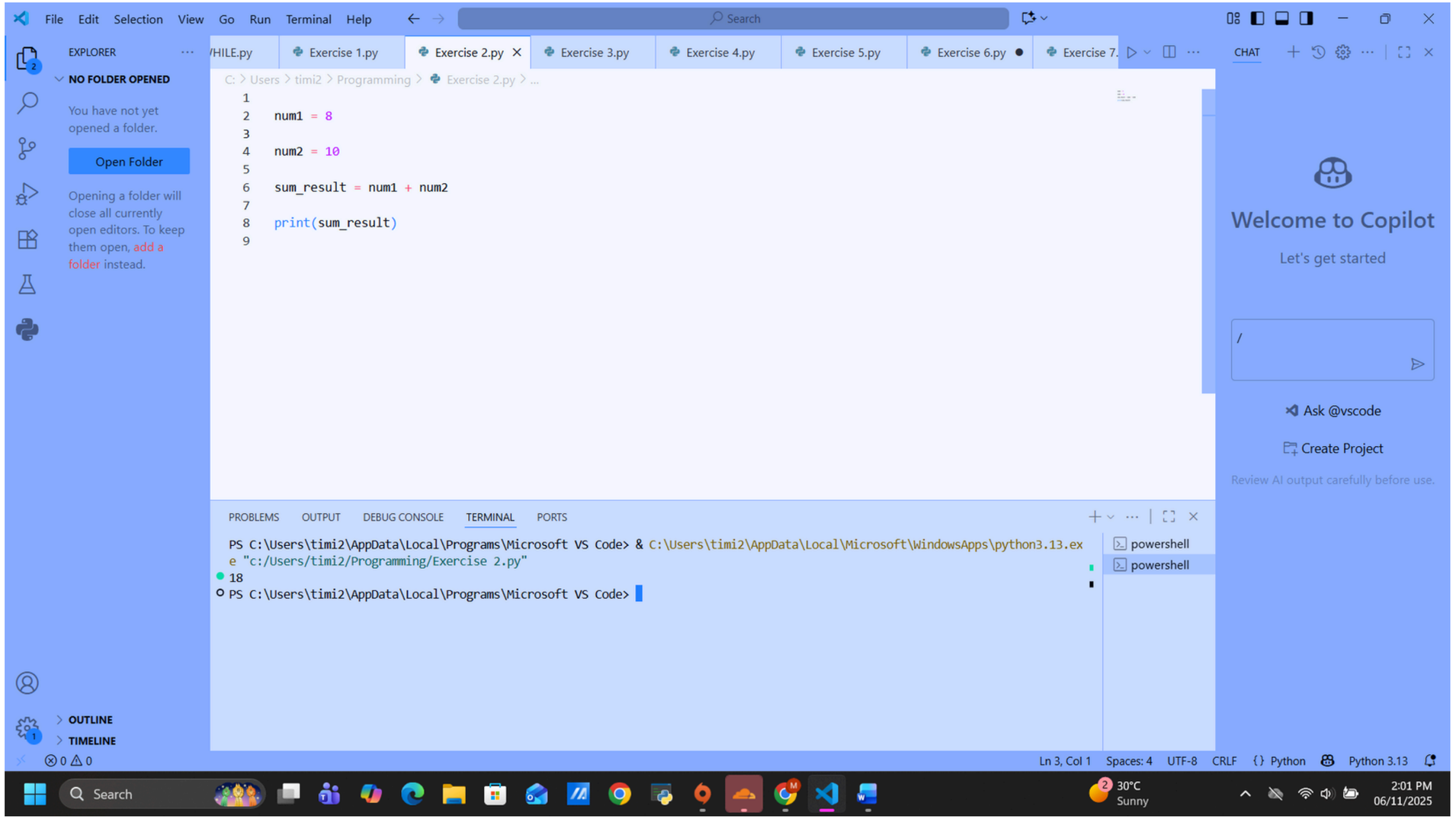
Open Folder
Opening a folder will close all currently open editors. To keep them open, add a folder instead.
Exercise 1.py
Exercise 2.py
Exercise 3.py
Exercise 4.py
Exercise 5.py
Exercise 6.py
C: > Users > timi2 > Programming > Exercise 1.py > ...
1 word1 = "Coding"
2 word2 = "is"
3 word3 = "Cool"
4
5 print(word1 + " " + word2 + " " + word3)
6
CHAT
Welcome to Copilot
Let's get started
Ask @vscode
Create Project
Review AI output carefully before use.
PROBLEMS OUTPUT DEBUG CONSOLE TERMINAL PORTS
PS C:\Users\timi2\AppData\Local\Programs\Microsoft VS Code> & C:\Users\timi2\AppData\Local\Microsoft\WindowsApps\python3.13.exe "c:/Users/timi2/Programming/Exercise 1.py"
Coding is Cool
PS C:\Users\timi2\AppData\Local\Programs\Microsoft VS Code>
powershell
powershell
OUTLINE
TIMELINE
Ln 6, Col 1 Spaces: 4 UTF-8 CRLF Python Python 3.13
Search
30°C Sunny
2:01 PM 06/11/2025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Exercise 4.py
Exercise 5.py
Exercise 6.py
C: > Users > timi2 > Programming > Exercise 2.py > ...
num1 = 8
num2 = 10
sum_result = num1 + num2
print(sum_result)
PROBLEMS OUTPUT DEBUG CONSOLE TERMINAL PORTS
PS C:\Users\timi2\AppData\Local\Programs\Microsoft VS Code> & C:\Users\timi2\AppData\Local\Microsoft\WindowsApps\python3.13.exe "c:/Users/timi2/Programming/Exercise 2.py"
18
PS C:\Users\timi2\AppData\Local\Programs\Microsoft VS Code>
powershell
powershell
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Let's get started
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Create Project
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OUTLINE
TIMELINE
Ln 3, Col 1 Spaces: 4 UTF-8 CRLF {} Python Python 3.13
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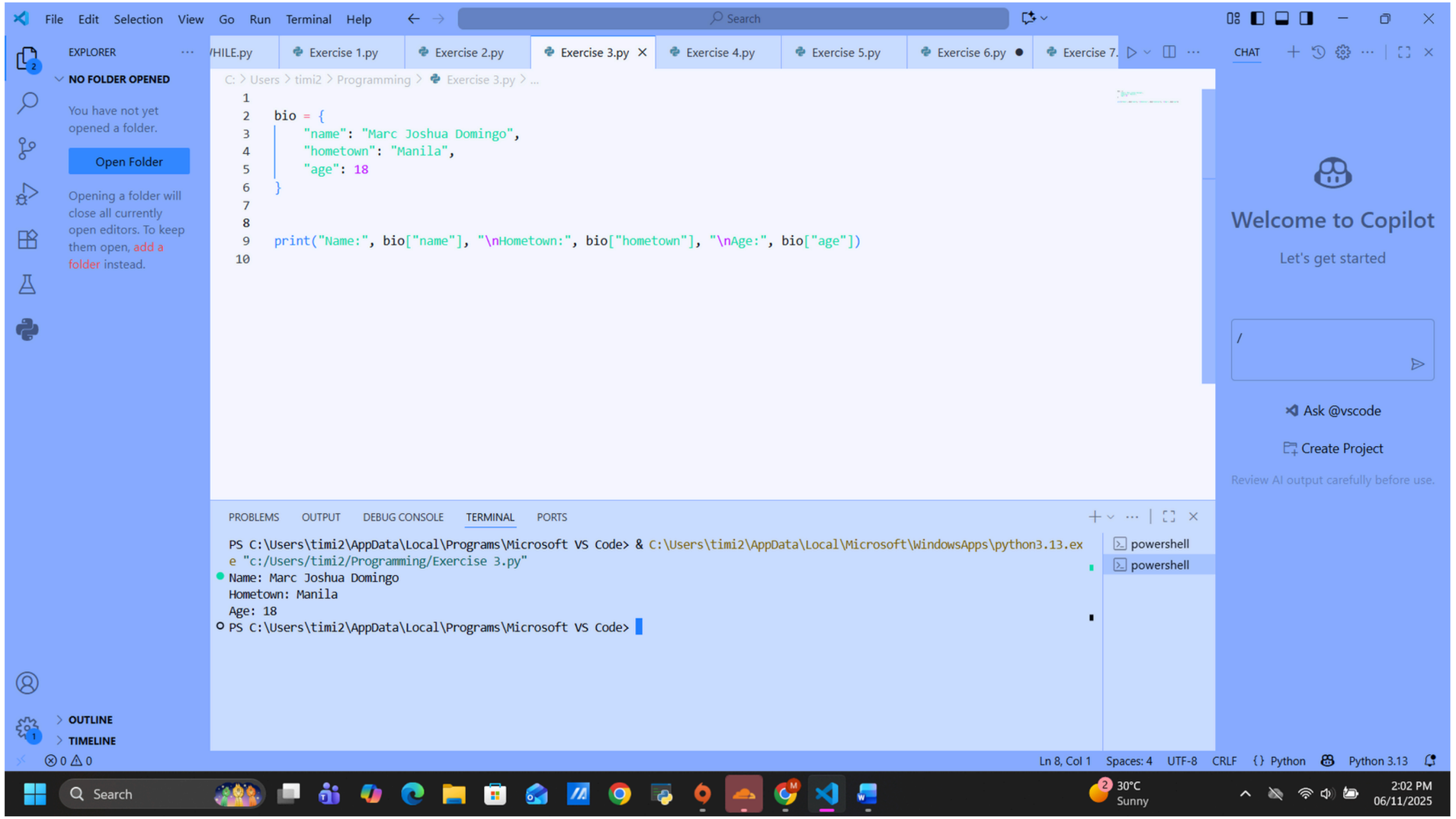
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Exercise 5.py
Exercise 6.py
C: > Users > timi2 > Programming > Exercise 3.py > ...
bio = {
"name": "Marc Joshua Domingo",
"hometown": "Manila",
"age": 18
}
print("Name:", bio["name"], "\nHometown:", bio["hometown"], "\nAge:", bio["age"])
PROBLEMS OUTPUT DEBUG CONSOLE TERMINAL PORTS
PS C:\Users\timi2\AppData\Local\Programs\Microsoft VS Code> & C:\Users\timi2\AppData\Local\Microsoft\WindowsApps\python3.13.exe "c:/Users/timi2/Programming/Exercise 3.py"
Name: Marc Joshua Domingo
Hometown: Manila
Age: 18
PS C:\Users\timi2\AppData\Local\Programs\Microsoft VS Code>
powershell
powershell
CHAT
Welcome to Copilot
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TIMELINE
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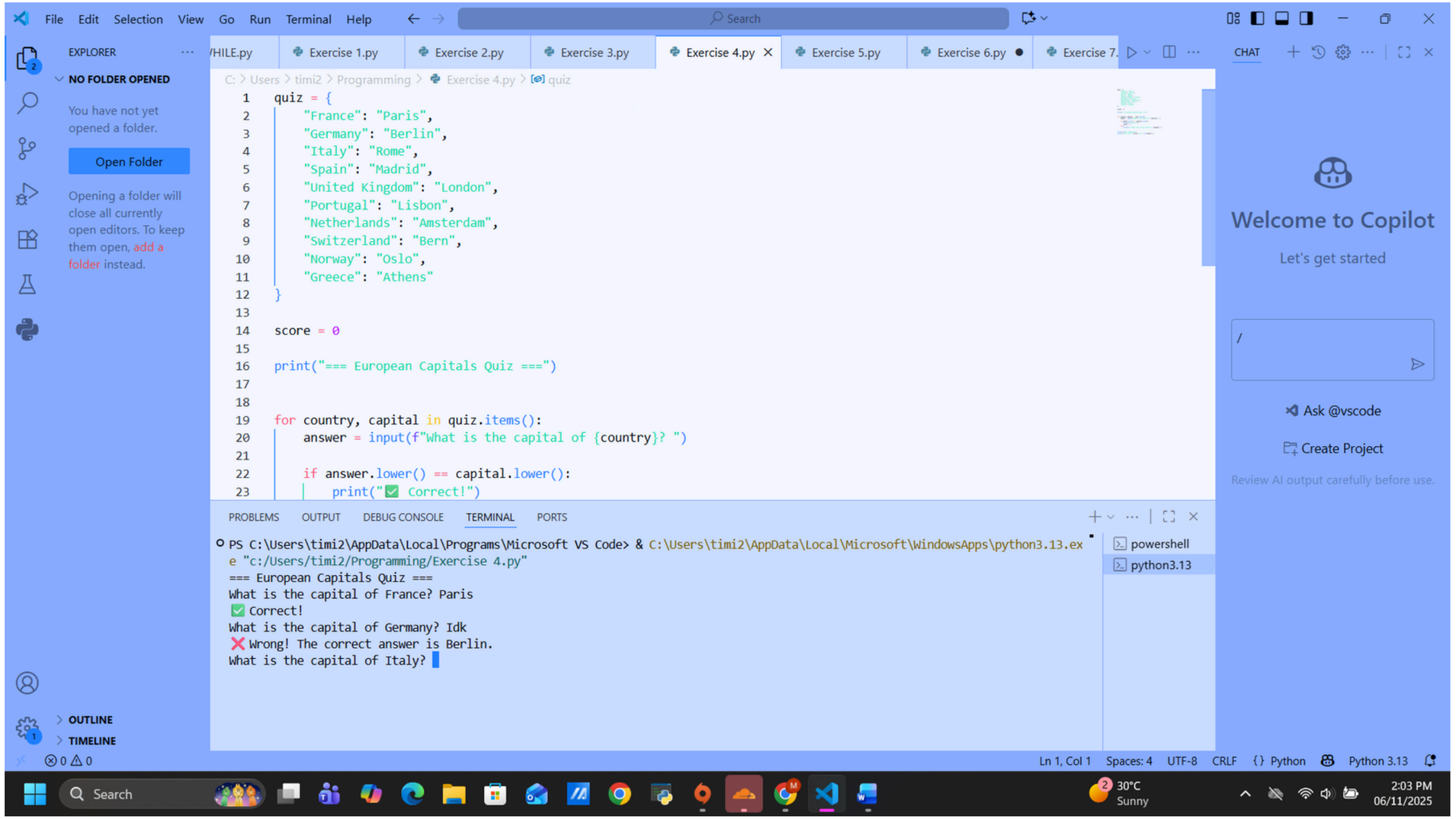
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Exercise 4.py
Exercise 5.py
Exercise 6.py
C: > Users > timi2 > Programming > Exercise 4.py > quiz
quiz = {
"France": "Paris",
"Germany": "Berlin",
"Italy": "Rome",
"Spain": "Madrid",
"United Kingdom": "London",
"Portugal": "Lisbon",
"Netherlands": "Amsterdam",
"Switzerland": "Bern",
"Norway": "Oslo",
"Greece": "Athens"
}
score = 0
print("=== European Capitals Quiz ===")
for country, capital in quiz.items():
answer = input(f"What is the capital of {country}? ")
if answer.lower() == capital.lower():
print("✅ Correct!")
PROBLEMS OUTPUT DEBUG CONSOLE TERMINAL PORTS
PS C:\Users\timi2\AppData\Local\Programs\Microsoft VS Code> & C:\Users\timi2\AppData\Local\Microsoft\WindowsApps\python3.13.exe "c:/Users/timi2/Programming/Exercise 4.py"
=== European Capitals Quiz ===
What is the capital of France? Paris
✅ Correct!
What is the capital of Germany? Idk
❌ Wrong! The correct answer is Berlin.
What is the capital of Italy?
powershell
python3.13
CHAT
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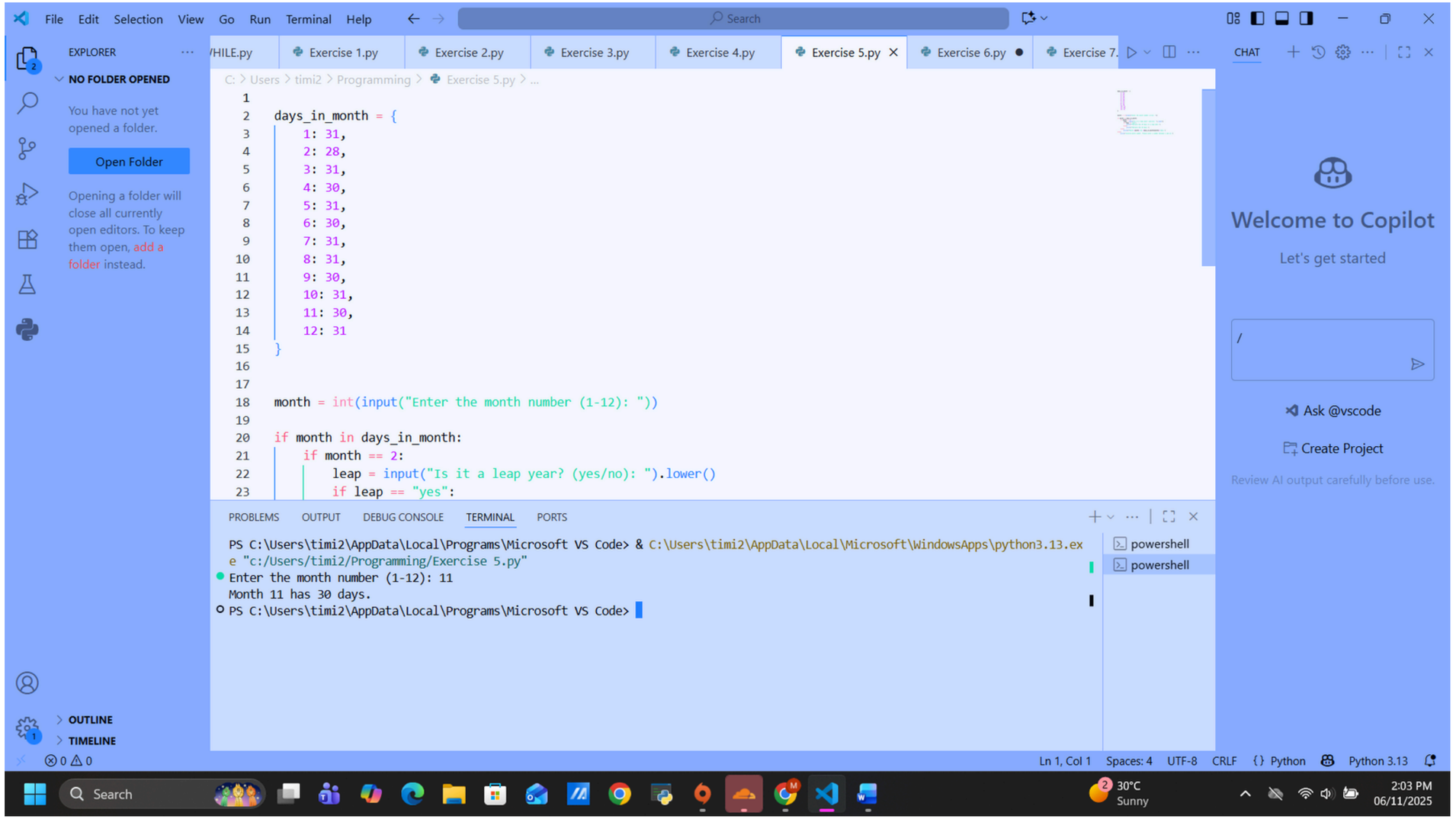
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Exercise 4.py
Exercise 5.py
Exercise 6.py
C: > Users > timi2 > Programming > Exercise 5.py > ...
days_in_month = {
1: 31,
2: 28,
3: 31,
4: 30,
5: 31,
6: 30,
7: 31,
8: 31,
9: 30,
10: 31,
11: 30,
12: 31
}
month = int(input("Enter the month number (1-12): "))
if month in days_in_month:
if month == 2:
leap = input("Is it a leap year? (yes/no): ").lower()
if leap == "yes":
PROBLEMS OUTPUT DEBUG CONSOLE TERMINAL PORTS
PS C:\Users\timi2\AppData\Local\Programs\Microsoft VS Code> & C:\Users\timi2\AppData\Local\Microsoft\WindowsApps\python3.13.exe "c:/Users/timi2/Programming/Exercise 5.py"
Enter the month number (1-12): 11
Month 11 has 30 days.
PS C:\Users\timi2\AppData\Local\Programs\Microsoft VS Code>
powershell
powershell
CHAT
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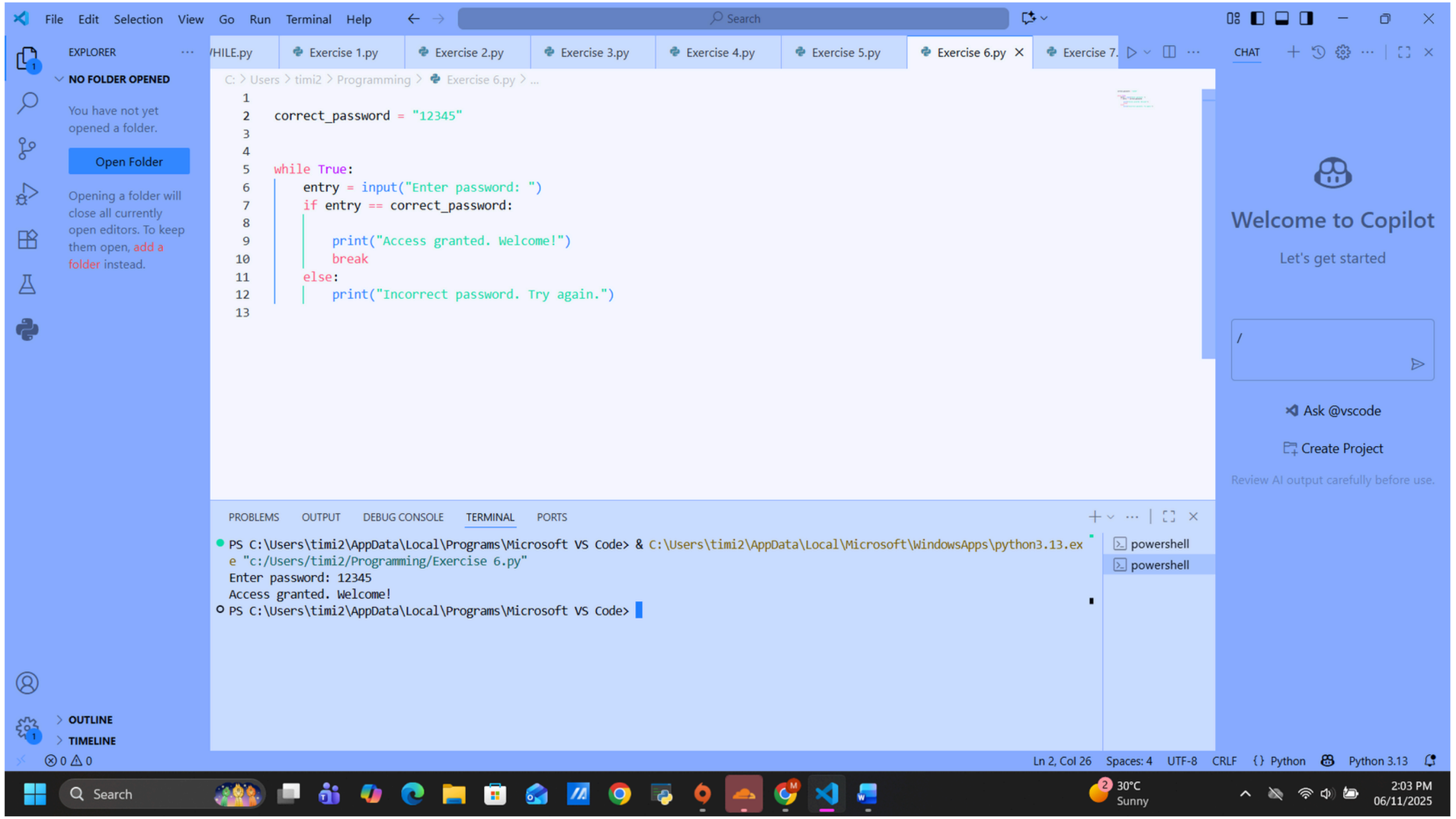
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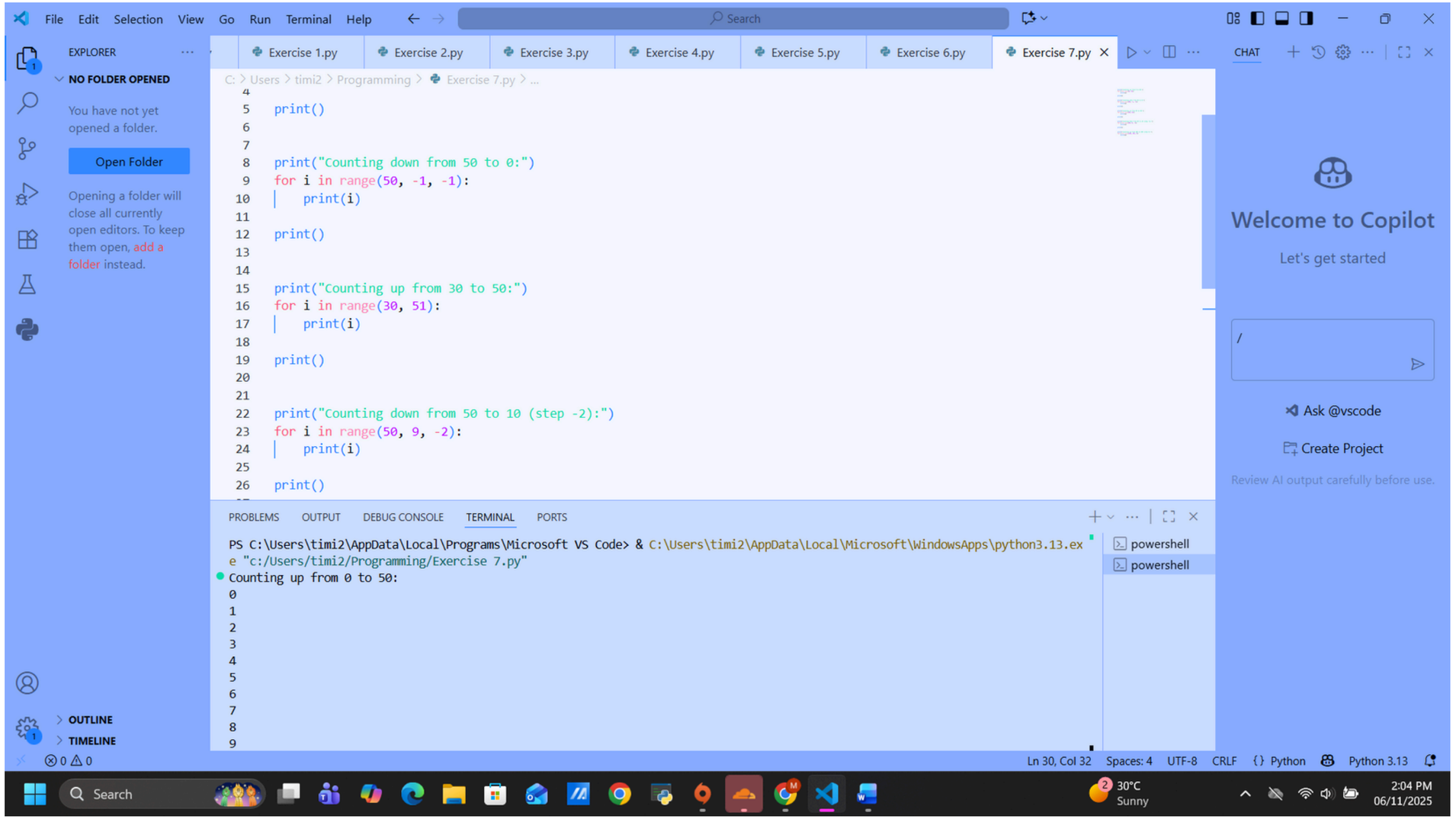
Exercise 3.py
Exercise 4.py
Exercise 5.py
Exercise 6.py
C: > Users > timi2 > Programming > Exercise 6.py > ...
correct_password = "12345"
while True:
entry = input("Enter password: ")
if entry == correct_password:
print("Access granted. Welcome!")
break
else:
print("Incorrect password. Try again.")
PROBLEMS OUTPUT DEBUG CONSOLE TERMINAL PORTS
PS C:\Users\timi2\AppData\Local\Programs\Microsoft VS Code> & C:\Users\timi2\AppData\Local\Microsoft\WindowsApps\python3.13.exe "c:/Users/timi2/Programming/Exercise 6.py"
Enter password: 12345
Access granted. Welcome!
PS C:\Users\timi2\AppData\Local\Programs\Microsoft VS Code>
powershell
powershell
CHAT
Welcome to Copilot
Let's get started
Ask @vscode
Create Project
Review AI output carefully before use.
OUTLINE
TIMELINE
Ln 2, Col 26 Spaces: 4 UTF-8 CRLF Python Python 3.13
Search
30°C Sunny
2:03 PM 06/11/2025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Exercise 1.py
Exercise 2.py
Exercise 3.py
Exercise 4.py
Exercise 5.py
Exercise 6.py
Exercise 7.py
C: > Users > timi2 > Programming > Exercise 7.py > ...
print()
print("Counting down from 50 to 0:")
for i in range(50, -1, -1):
print(i)
print()
print("Counting up from 30 to 50:")
for i in range(30, 51):
print(i)
print()
print("Counting down from 50 to 10 (step -2):")
for i in range(50, 9, -2):
print(i)
print()
PROBLEMS OUTPUT DEBUG CONSOLE TERMINAL PORTS
PS C:\Users\timi2\AppData\Local\Programs\Microsoft VS Code> & C:\Users\timi2\AppData\Local\Microsoft\WindowsApps\python3.13.exe "c:/Users/timi2/Programming/Exercise 7.py"
Counting up from 0 to 50:
0
1
2
3
4
5
6
7
8
9
powershell
powershell
CHAT
Welcome to Copilot
Let's get started
/
Ask @vscode
Create Project
Review AI output carefully before use.
OUTLINE
TIMELINE
Ln 30, Col 32 Spaces: 4 UTF-8 CRLF {} Python Python 3.13
Search
30°C Sunny
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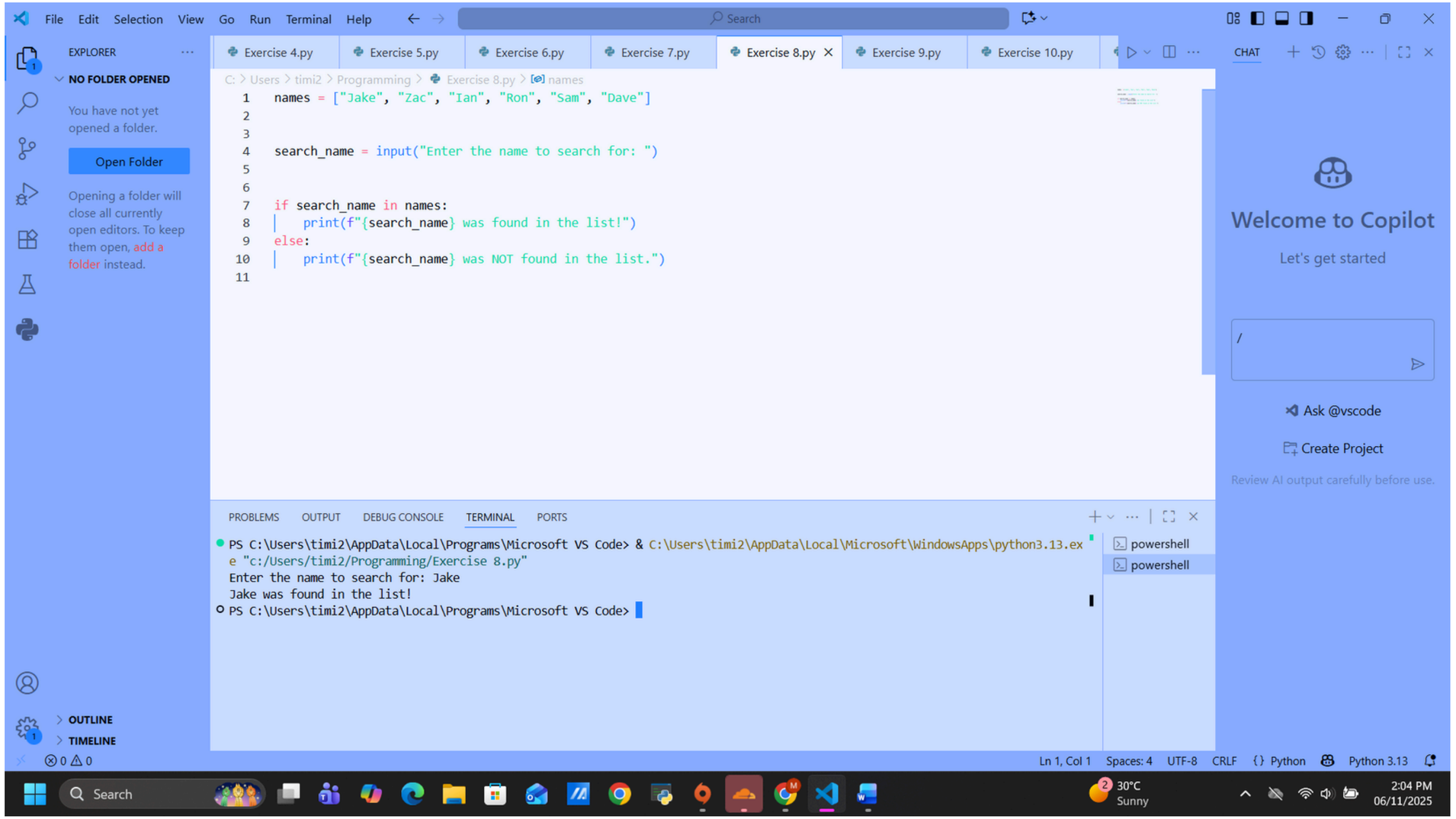
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Exercise 4.py
Exercise 5.py
Exercise 6.py
Exercise 7.py
Exercise 8.py
Exercise 9.py
Exercise 10.py
C: > Users > timi2 > Programming > Exercise 8.py > names
1 names = ["Jake", "Zac", "Ian", "Ron", "Sam", "Dave"]
2
3
4 search_name = input("Enter the name to search for: ")
5
6
7 if search_name in names:
8 print(f"{search_name} was found in the list!")
9 else:
10 print(f"{search_name} was NOT found in the list.")
11
PROBLEMS OUTPUT DEBUG CONSOLE TERMINAL PORTS
PS C:\Users\timi2\AppData\Local\Programs\Microsoft VS Code> & C:\Users\timi2\AppData\Local\Microsoft\WindowsApps\python3.13.exe "c:/Users/timi2/Programming/Exercise 8.py"
Enter the name to search for: Jake
Jake was found in the list!
PS C:\Users\timi2\AppData\Local\Programs\Microsoft VS Code>
powershell
powershell
CHAT
Welcome to Copilot
Let's get started
/
Ask @vscode
Create Project
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OUTLINE
TIMELINE
Ln 1, Col 1 Spaces: 4 UTF-8 CRLF {} Python Python 3.13
Search
30°C Sunny
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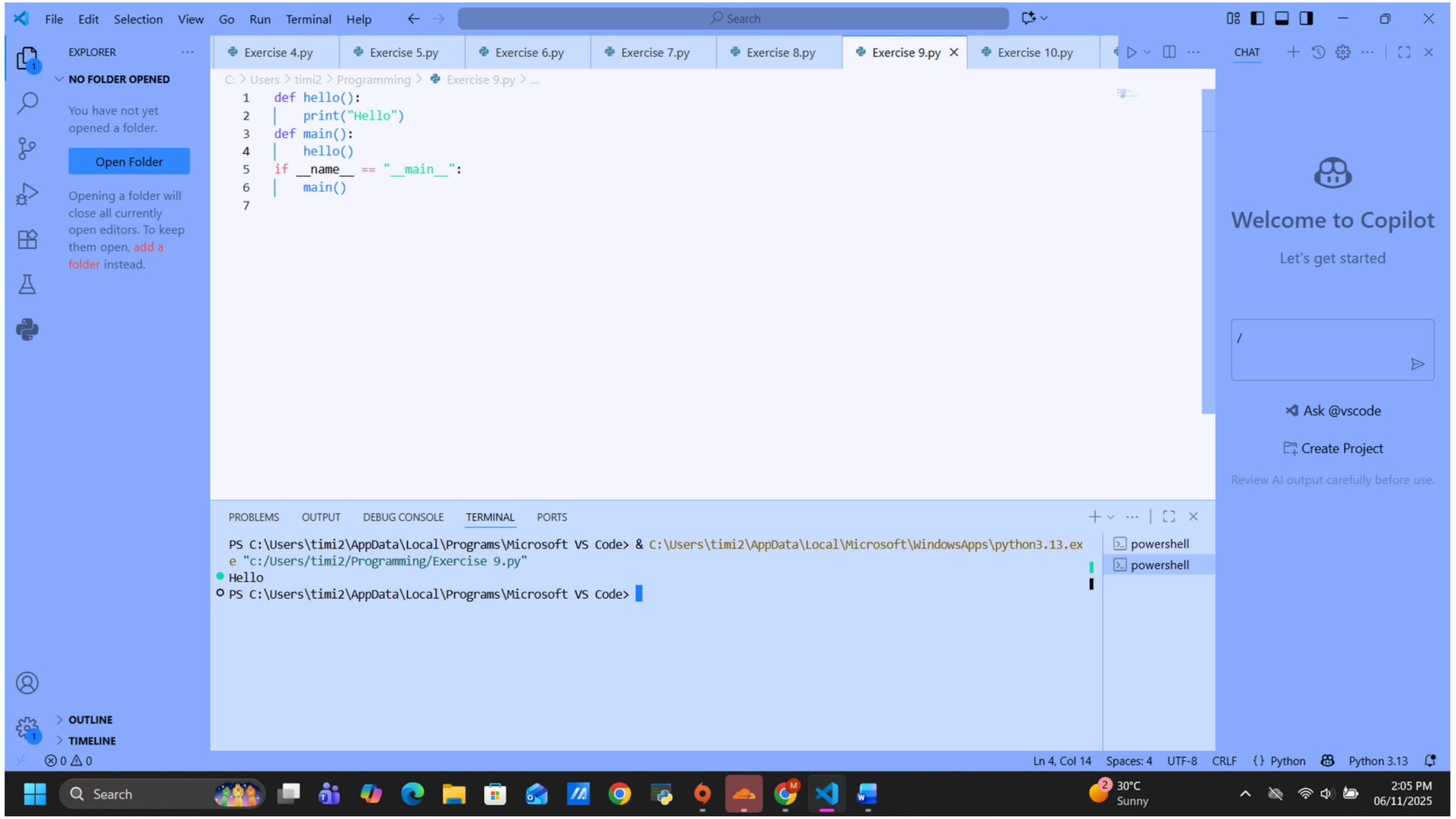
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Exercise 4.py
Exercise 5.py
Exercise 6.py
Exercise 7.py
Exercise 8.py
Exercise 9.py
Exercise 10.py
C: > Users > timi2 > Programming > Exercise 9.py > ...
1 def hello():
2 print("Hello")
3 def main():
4 hello()
5 if __name__ == "__main__":
6 main()
7
CHAT
Welcome to Copilot
Let's get started
/
Ask @vscode
Create Project
Review AI output carefully before use.
PROBLEMS OUTPUT DEBUG CONSOLE TERMINAL PORTS
PS C:\Users\timi2\AppData\Local\Programs\Microsoft VS Code> & C:\Users\timi2\AppData\Local\Microsoft\WindowsApps\python3.13.exe "c:/Users/timi2/Programming/Exercise 9.py"
Hello
PS C:\Users\timi2\AppData\Local\Programs\Microsoft VS Code>
powershell
powershell
OUTLINE
TIMELINE
Ln 4, Col 14 Spaces: 4 UTF-8 CRLF {} Python Python 3.13
Search
30°C Sunny
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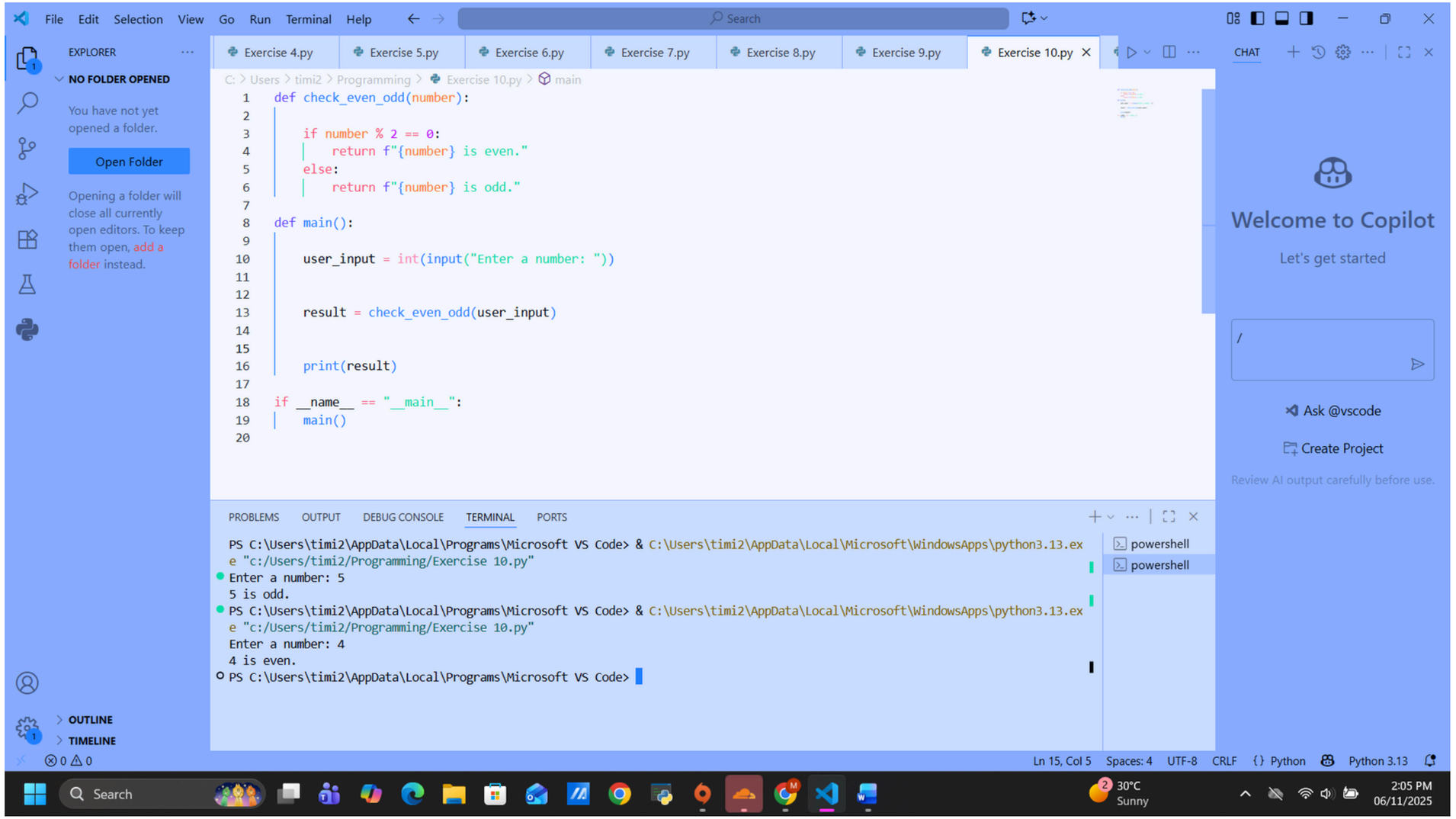
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Exercise 4.py
Exercise 5.py
Exercise 6.py
Exercise 7.py
Exercise 8.py
Exercise 9.py
Exercise 10.py
C: > Users > timi2 > Programming > Exercise 10.py > main
1 def check_even_odd(number):
2
3 if number % 2 == 0:
4 return f"{number} is even."
5 else:
6 return f"{number} is odd."
7
8 def main():
9
10 user_input = int(input("Enter a number: "))
11
12
13 result = check_even_odd(user_input)
14
15
16 print(result)
17
18 if __name__ == "__main__":
19 main()
20
CHAT
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Let's get started
/
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Enter a number: 5
5 is odd.
PS C:\Users\timi2\AppData\Local\Programs\Microsoft VS Code> & C:\Users\timi2\AppData\Local\Microsoft\WindowsApps\python3.13.exe "c:/Users/timi2/Programming/Exercise 10.py"
Enter a number: 4
4 is even.
PS C:\Users\timi2\AppData\Local\Programs\Microsoft VS Code>
powershell
powershell
OUTLINE
TIMELINE
Ln 15, Col 5 Spaces: 4 UTF-8 CRLF {} Python Python 3.13
Search
30°C Sunny
2:05 PM 06/11/2025