ASSIGNMENT – 4.2

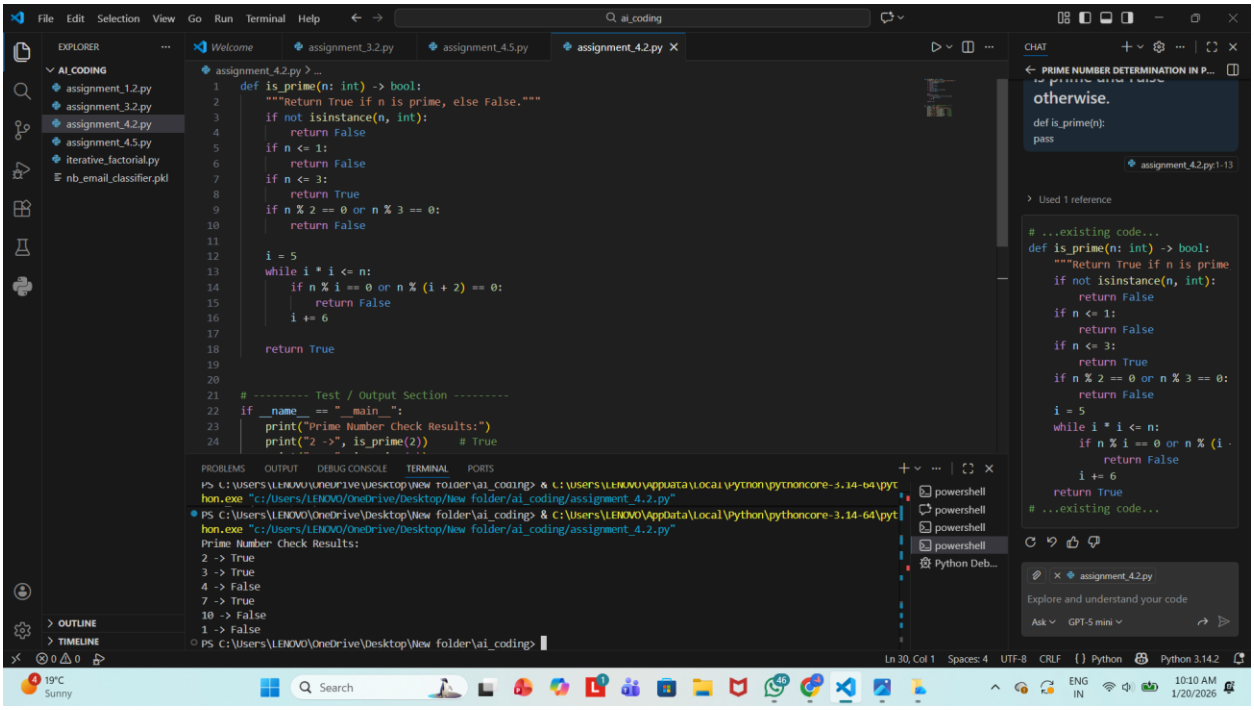
NAME : M.SAI CHARANI

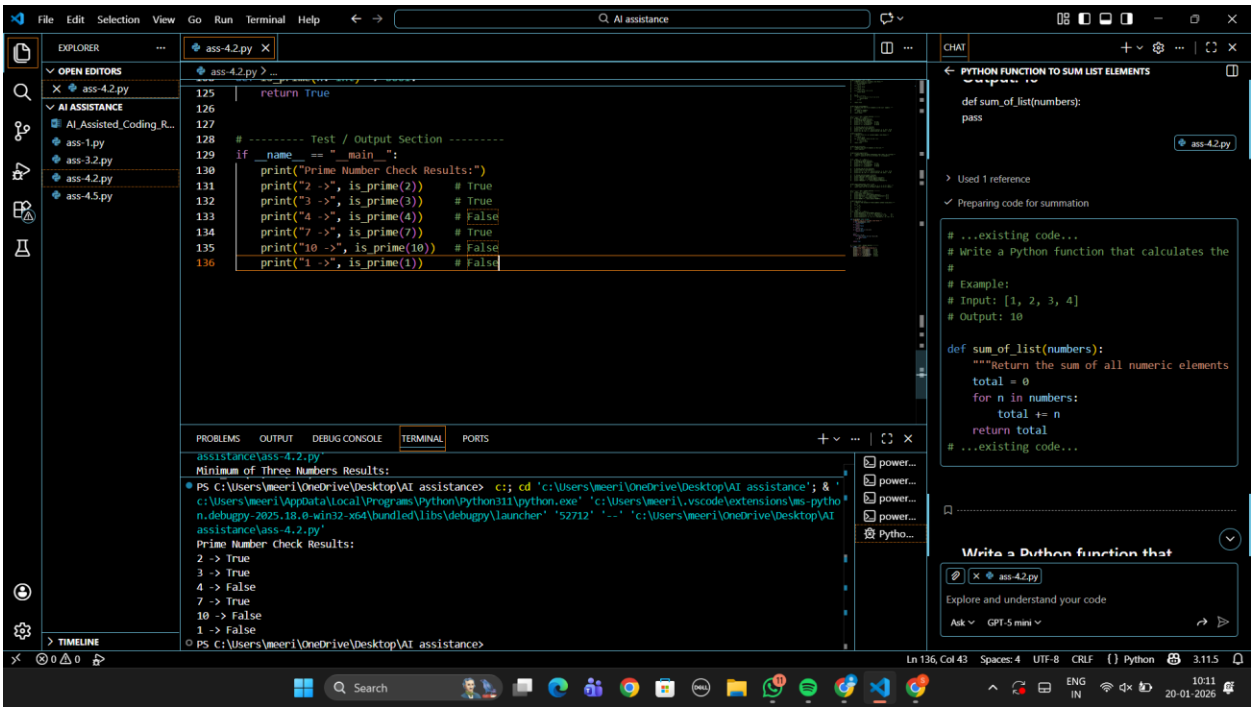
BATCH : 34

HALL TICKET NUMBER : 2303A52192

Task Description-1

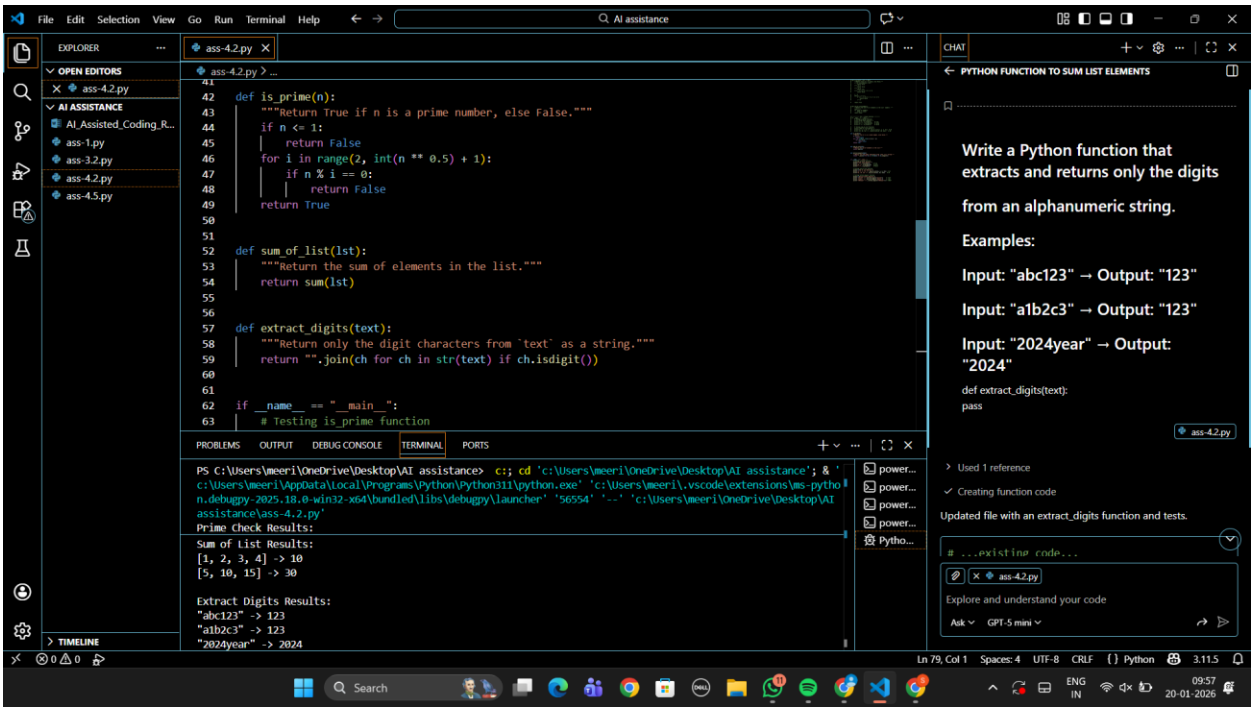
• Zero-shot: Prompt AI with only the instruction. Write a Python function to determine whether a given number is prime

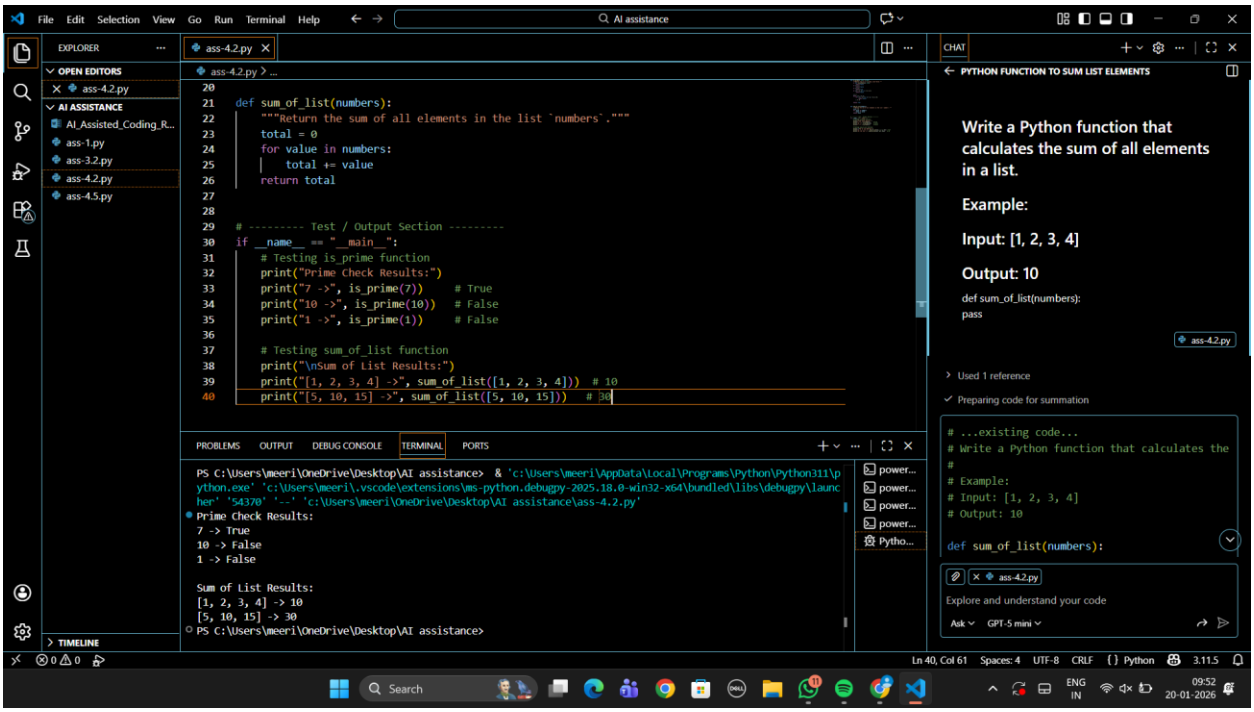




Task Description-2

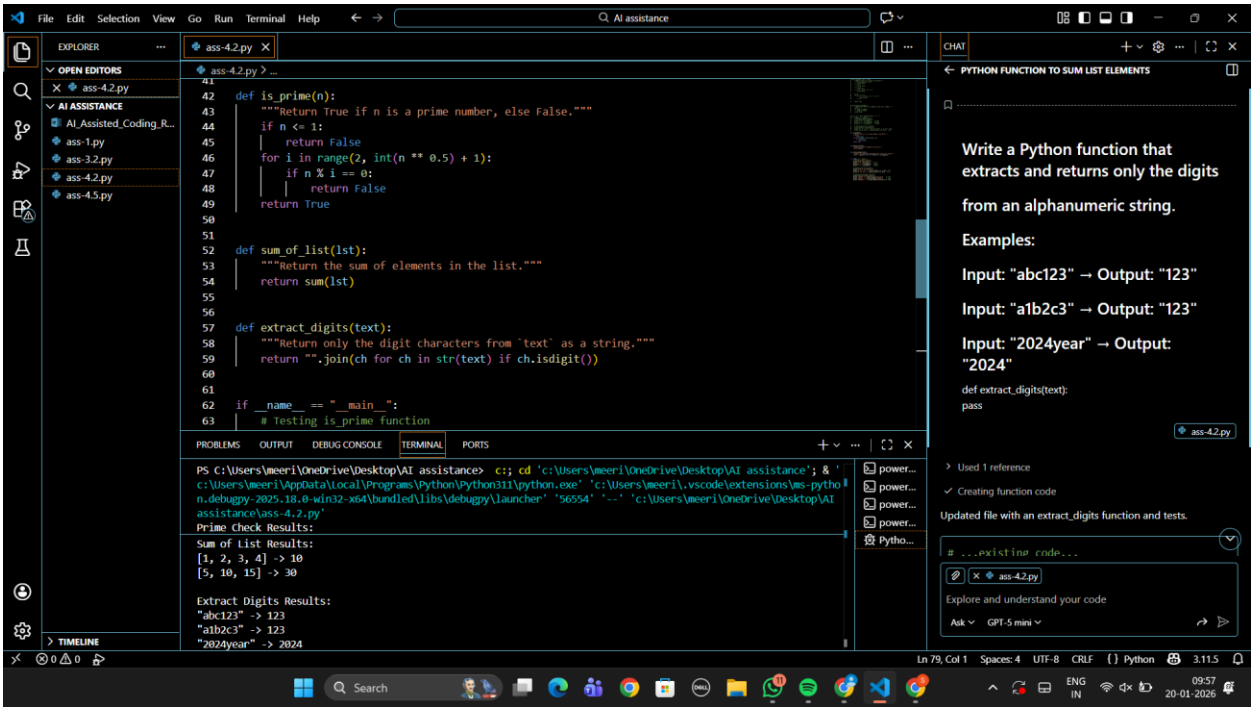
• One-shot: Provide one example: Input: [1, 2, 3, 4], Output: 10 to help AI generate a function that calculates the sum of elements in a list.

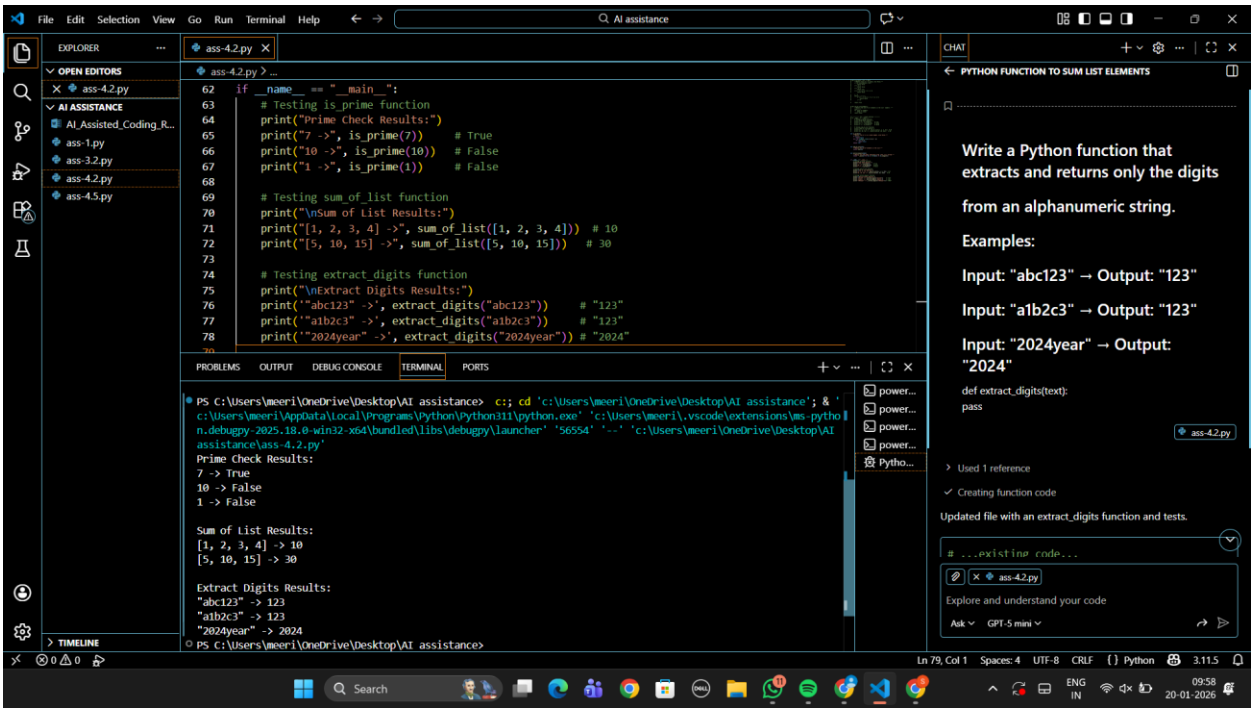




Task Description-3

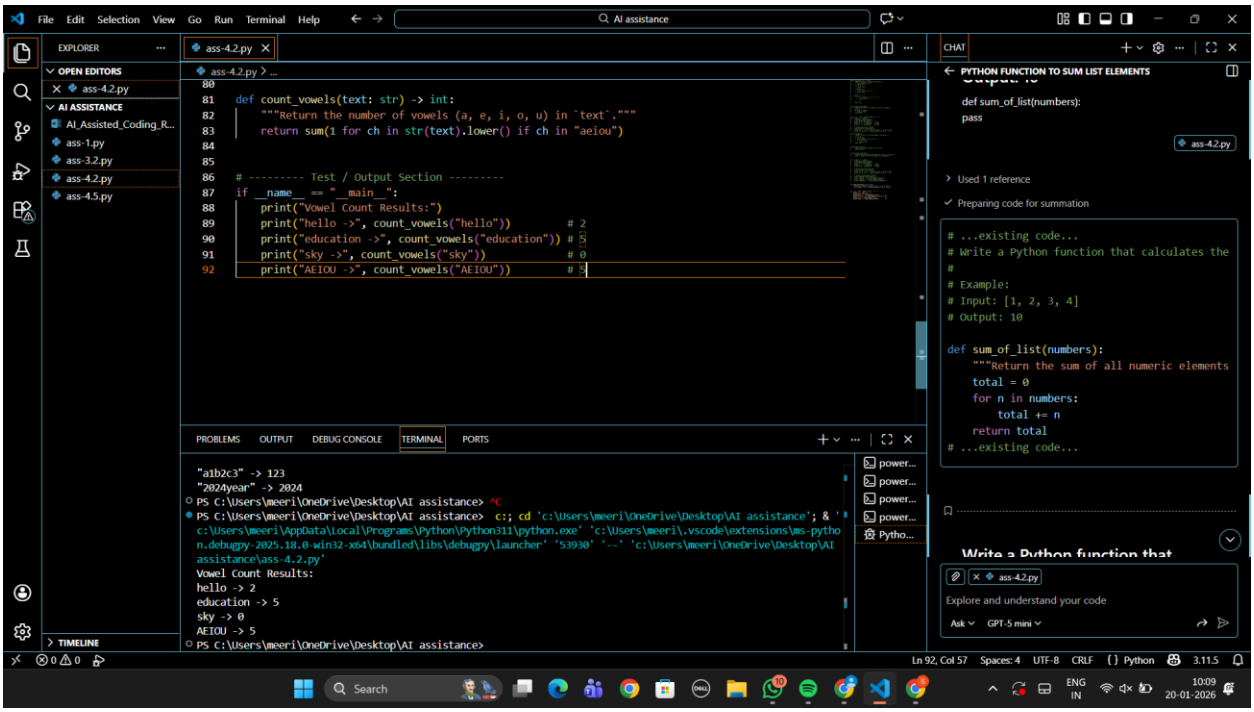
• Few-shot: Give 2–3 examples to create a function that extracts digits from an alphanumeric string.





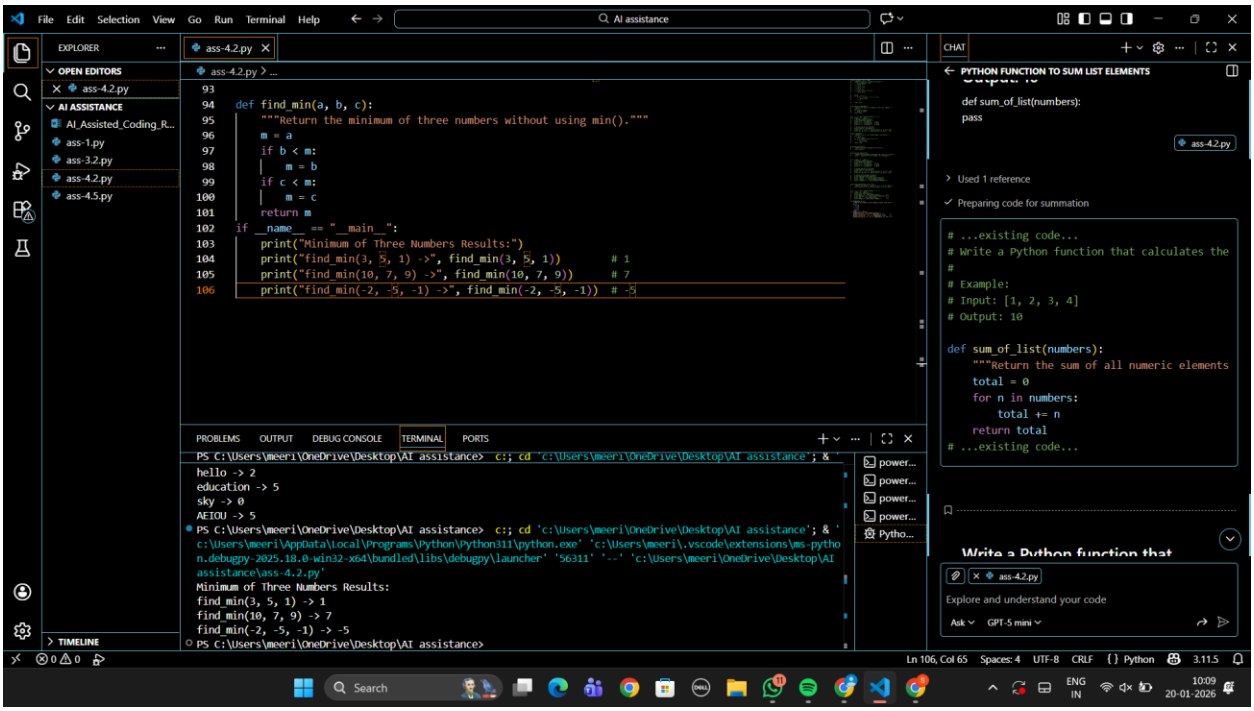
Task Description-4

• Compare zero-shot vs few-shot prompting for generating a function that counts the number of vowels in a string.



Task Description-5

• Use few-shot prompting with 3 sample inputs to generate a function that determines the minimum of three numbers without using the built-in min() function.


File Edit Selection View Go Run Terminal Help
AI assistance
EXPLORER
OPEN EDITORS
ass-4.2.py
AI ASSISTANCE
AI_Assisted_Coding_R...
ass-1.py
ass-3.2.py
ass-4.2.py
ass-4.5.py
TIMELINE
ass-4.2.py
ass-4.2.py > ...
93
94 def find_min(a, b, c):
95 """Return the minimum of three numbers without using min()."""
96 m = a
97 if b < m:
98 m = b
99 if c < m:
100 m = c
101 return m
102 if __name__ == "__main__":
103 print("Minimum of Three Numbers Results:")
104 print("find_min(3, 5, 1) ->", find_min(3, 5, 1)) # 1
105 print("find_min(10, 7, 9) ->", find_min(10, 7, 9)) # 7
106 print("find_min(-2, -5, -1) ->", find_min(-2, -5, -1)) # -5
PROBLEMS
OUTPUT
DEBUG CONSOLE
TERMINAL
PORTS
PS C:\Users\meeri\OneDrive\Desktop\AI assistance> c:; cd "c:\Users\meeri\OneDrive\Desktop\AI assistance"; &
hello -> 2
education -> 5
sky -> 0
AEIOU -> 5
PS C:\Users\meeri\OneDrive\Desktop\AI assistance> c:; cd 'c:\Users\meeri\OneDrive\Desktop\AI assistance'; & 'c:\Users\meeri\AppData\Local\Programs\Python\Python311\python.exe' 'c:\Users\meeri\.vscode\extensions\ms-python.debugpy-2025.18.0-win32-x64\bundled\libs\debugpy\launcher' '56311' '--' 'c:\Users\meeri\OneDrive\Desktop\AI assistance\ass-4.2.py'
Minimum of Three Numbers Results:
find_min(3, 5, 1) -> 1
find_min(10, 7, 9) -> 7
find_min(-2, -5, -1) -> -5
PS C:\Users\meeri\OneDrive\Desktop\AI assistance>
power...
power...
power...
power...
Pytho...
CHAT
PYTHON FUNCTION TO SUM LIST ELEMENTS
def sum_of_list(numbers):
pass
ass-4.2.py
Used 1 reference
Preparing code for summation
...existing code...
Write a Python function that calculates the
#
# Example:
# Input: [1, 2, 3, 4]
# Output: 10
def sum_of_list(numbers):
"""Return the sum of all numeric elements
total = 0
for n in numbers:
total += n
return total
...existing code...
Write a Python function that
ass-4.2.py
Explore and understand your code
Ask
GPT-5 mini
Ln 106, Col 65
Spaces: 4
UTF-8
CRLF
Python
3.11.5
Search
ENG
IN
10:09
20-01-2026