ASSIGNMENT-1

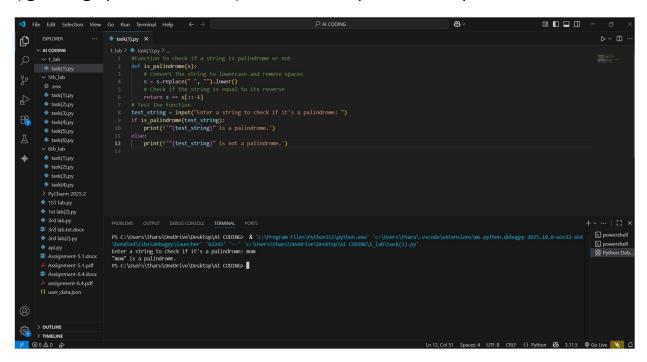
NAME: N. LAXMI PRASANNA

HT.NO: 2403A52091

BATCH: 04

Task 1:

Write a comment: # Function to check if a string is a valid palindrome (ignoring spaces and case) and allow Copilot to complete it.

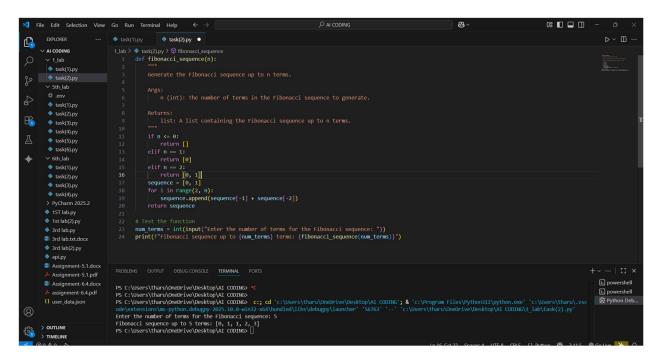


Task 2:

• Generate a Python function that returns the Fibonacci sequence up to n terms. Prompt

with only a function header and docstring Expected Output#2

• Al completes the function logic using loop or recursion with accurate output



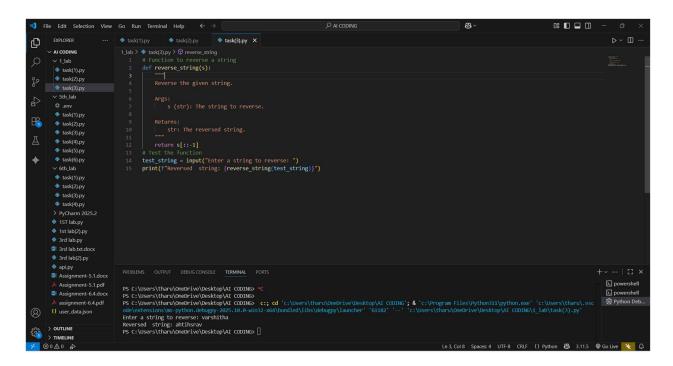
Task 3:

 Write a comment like # Function to reverse a string and use Copilot to generate the

function.

Expected Output#3

• Auto-completed reverse function



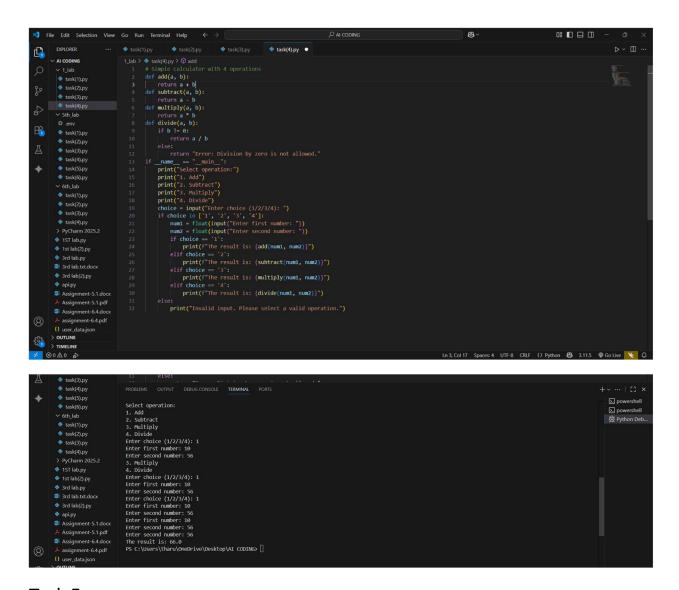
Task 4:

Generate a program that simulates a basic calculator (add, subtract, multiply, divide).

Write the comment: # Simple calculator with 4 operations and let Al complete it.

Expected Output#4

• Fully working calculator with input/output and operator selection logic



Task 5:

• Use a comment to instruct AI to write a function that reads a file and returns the number of lines.

Expected Output#5

 Functional implementation using open() or with open() and readlines()

