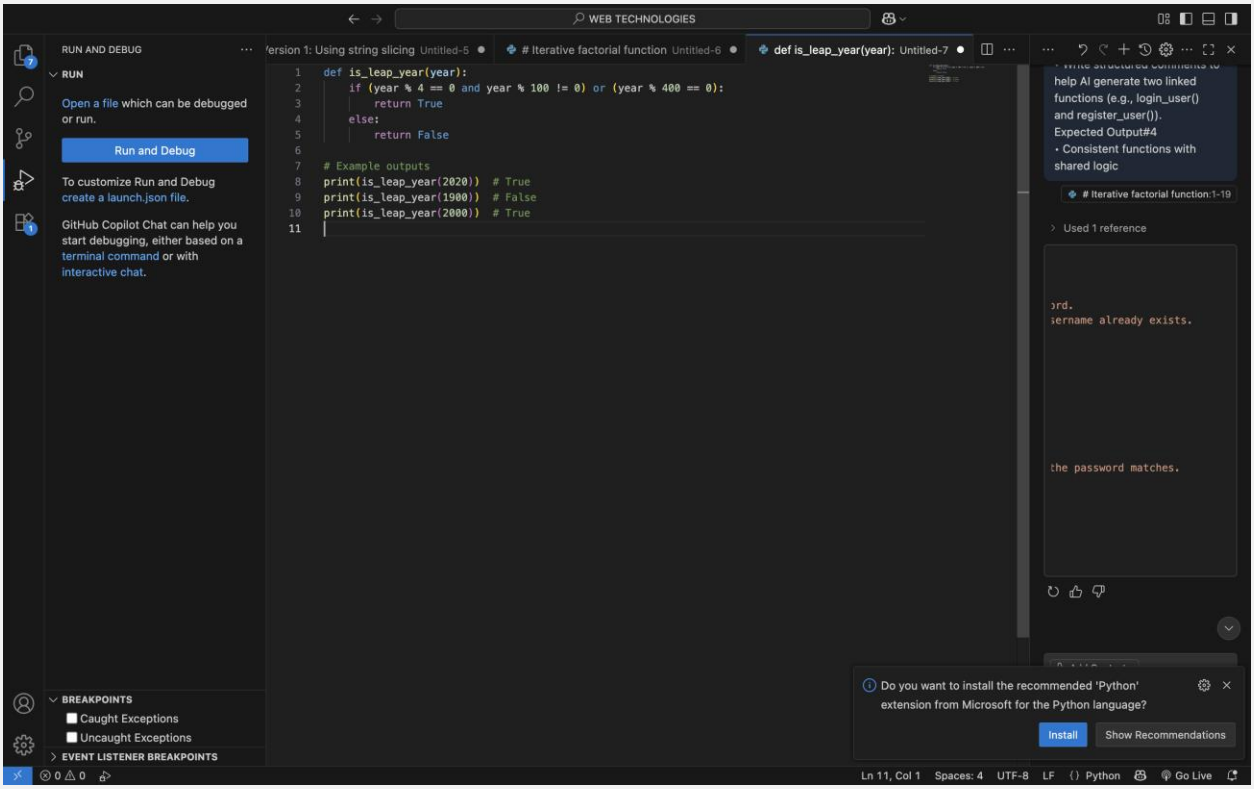
NAME : P SAI VENKAT ROLL NO :2403A510G0 ASSIGNMENT : 4.3

Task Description#1

● Zero-shot: Prompt AI to write a function that checks whether a given year is a leap year.

PROMPT USED : WRITE A FUNCTION TO CHECK IF THE GIVEN YEAR IS LEAP YEAR OR NOT



OUTPUT :

True
False
True

Task Description#2

● One-shot: Give one input-output example to guide AI in writing a function that converts centimeters to inches.

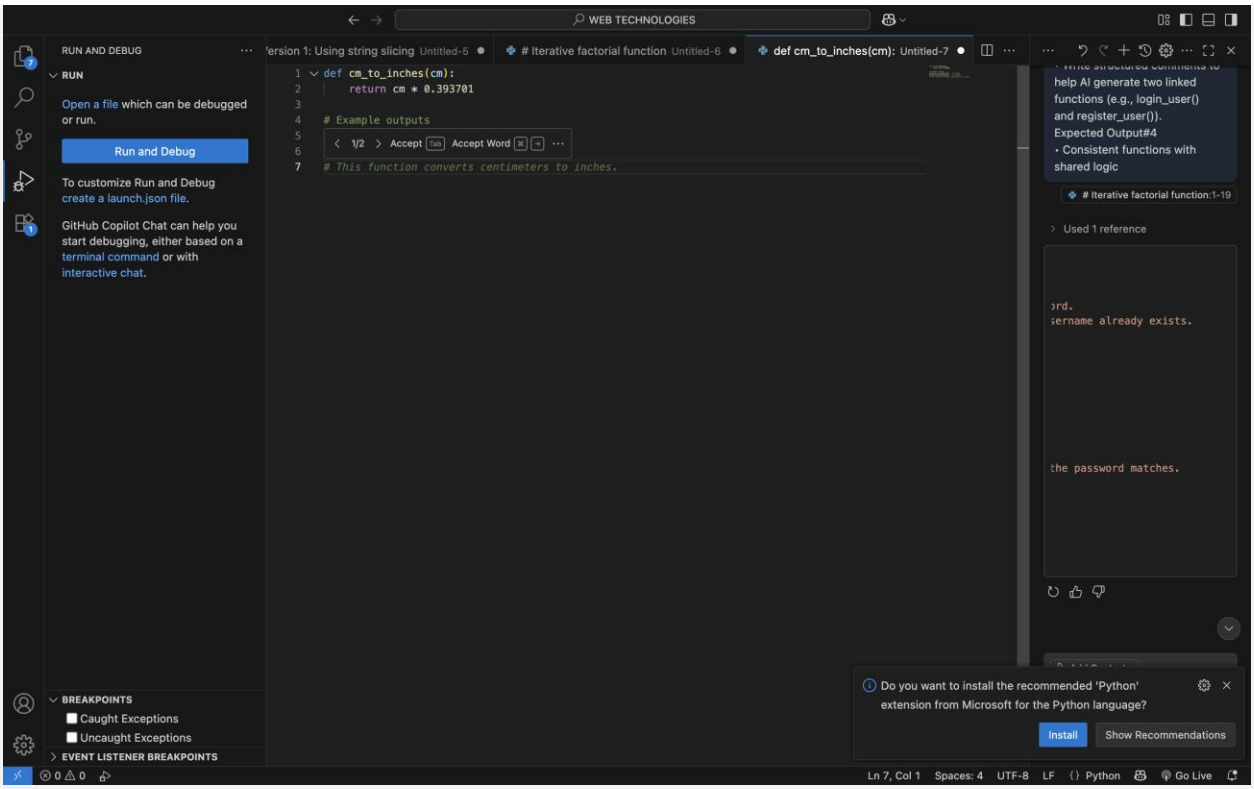
Expected Output#2

● Function with correct conversion logic

PROMPT USED : ONE SHOT

WRITE A PYTHON FUNCTION TO CONVERT CM TO INCHES

EXAMPLE : 100 TO 10



Task Description#3

● Few-shot: Provide 2–3 examples to generate a function that formats full names as "Last, First".

Expected Output#3

● Well-structured function respecting the examples

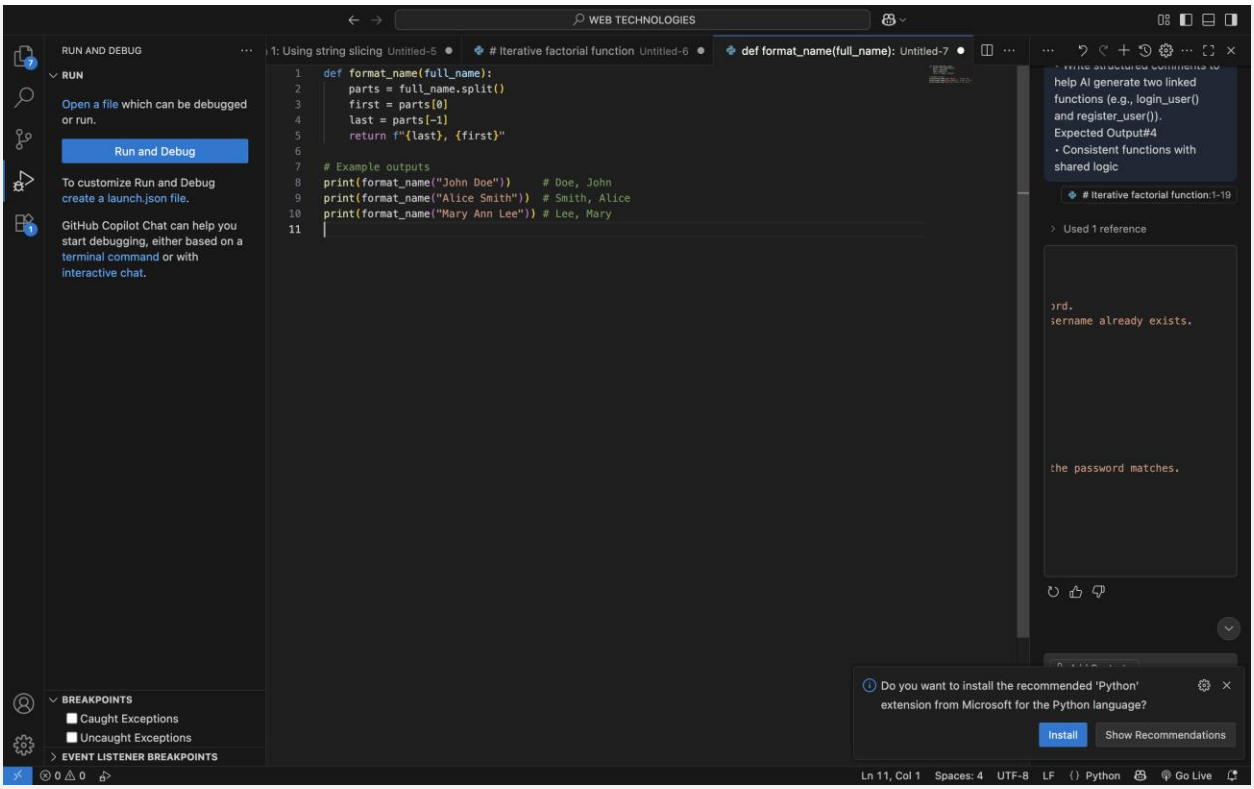
PROMPT USED : Generate the function that formats full names as last and first

EXAMPLES :

JOHN DOE

ALICE SMITH

MARY ANN LEE



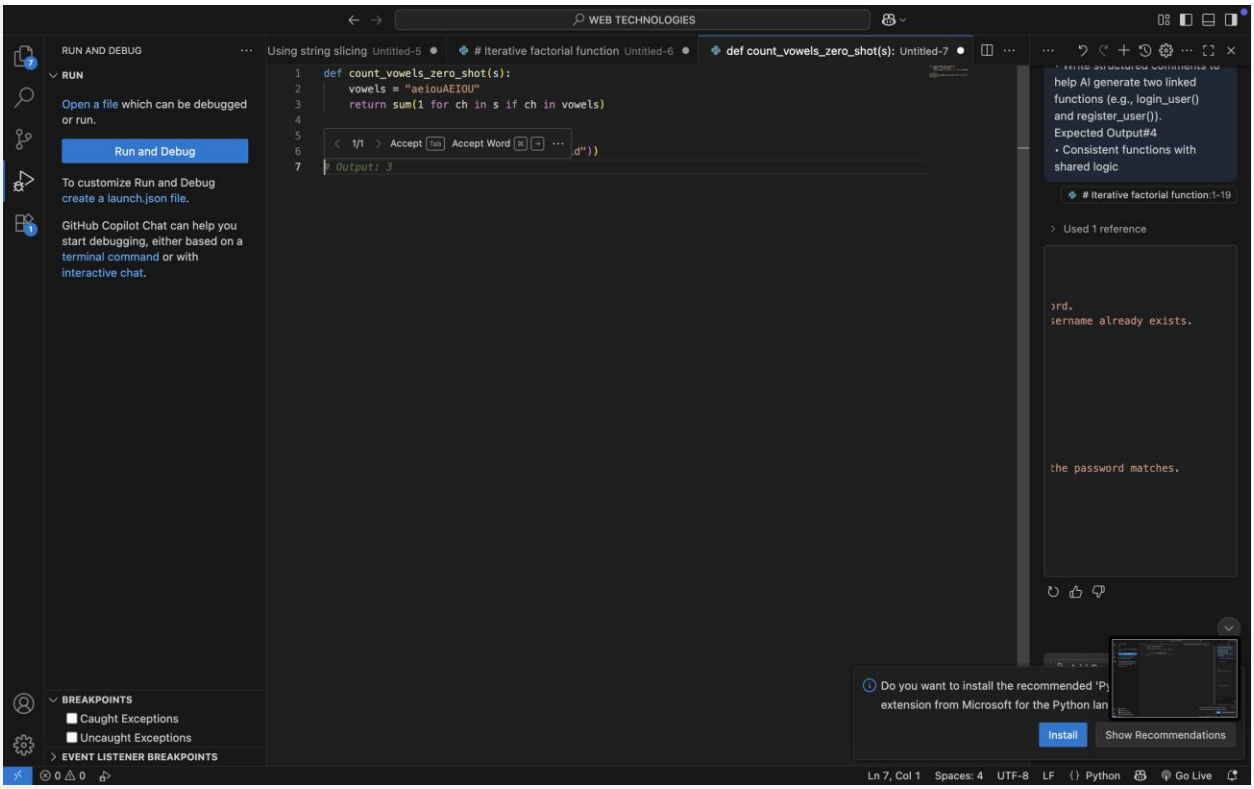
ask Description#4

● Compare zero-shot and few-shot prompts for writing a function that counts the number of vowels in a string.

Expected Output#4

● Functional output and comparative reflection

PROMPT USED : Write a python function to count the no of vowels in a string



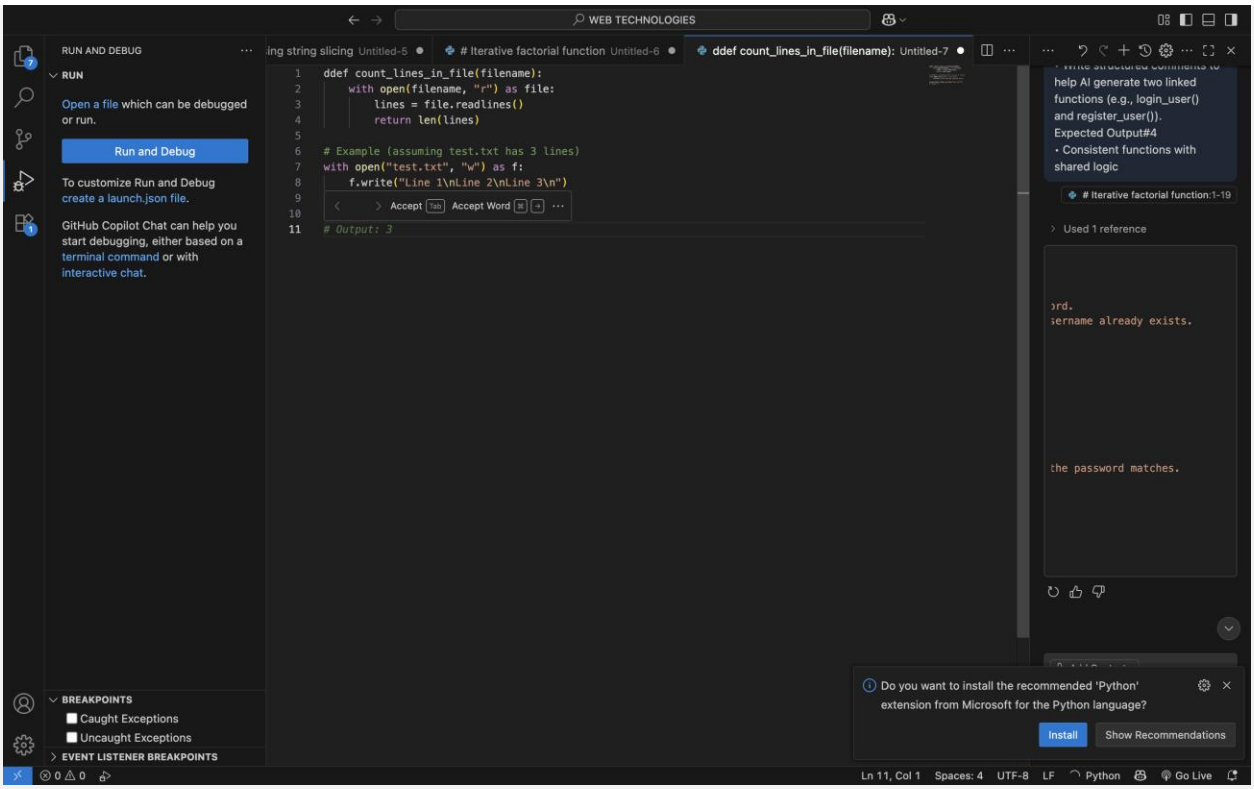
Task Description#5

● Use few-shot prompting to generate a function that reads a .txt file and returns the number of lines.

Expected Output#5

● Working file-processing function with AI-guided logic

PROMPT USED : Write a function to generate a txt file and return the no of lines given


WEB TECHNOLOGIES
RUN AND DEBUG
RUN
Open a file which can be debugged or run.
Run and Debug
To customize Run and Debug create a launch.json file.
GitHub Copilot Chat can help you start debugging, either based on a terminal command or with interactive chat.
BREAKPOINTS
Caught Exceptions
Uncaught Exceptions
EVENT LISTENER BREAKPOINTS
ing string slicing Untitled-5
Iterative factorial function Untitled-6
ddef count_lines_in_file(filename): Untitled-7
ddef count_lines_in_file(filename):
with open(filename, "r") as file:
lines = file.readlines()
return len(lines)
Example (assuming test.txt has 3 lines)
with open("test.txt", "w") as f:
f.write("Line 1\nLine 2\nLine 3\n")
Accept Tab Accept Word
Output: 3
help AI generate two linked functions (e.g., login_user() and register_user()).
Expected Output#4
• Consistent functions with shared logic
Iterative factorial function:1-19
Used 1 reference
ord.
sername already exists.
the password matches.
Do you want to install the recommended 'Python' extension from Microsoft for the Python language?
Install
Show Recommendations
Ln 11, Col 1
Spaces: 4
UTF-8
LF
Python
Go Live