NAME : P . SAI VENKAT   ROLL NO : 2403A510G0
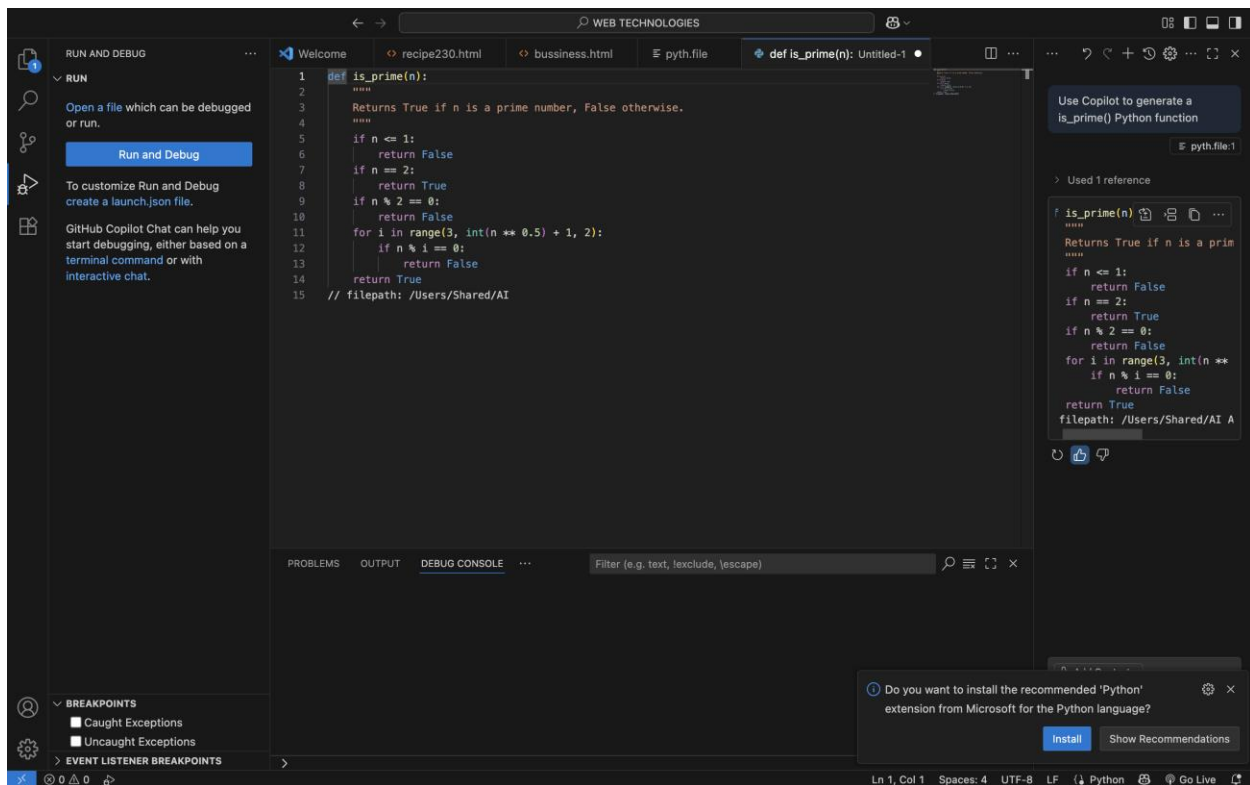
ASSIGNMENT : 1.3

Task Description#2
● Use Copilot to generate a is_prime() Python function.
Expected Output#2
● Function to check primality with correct logic

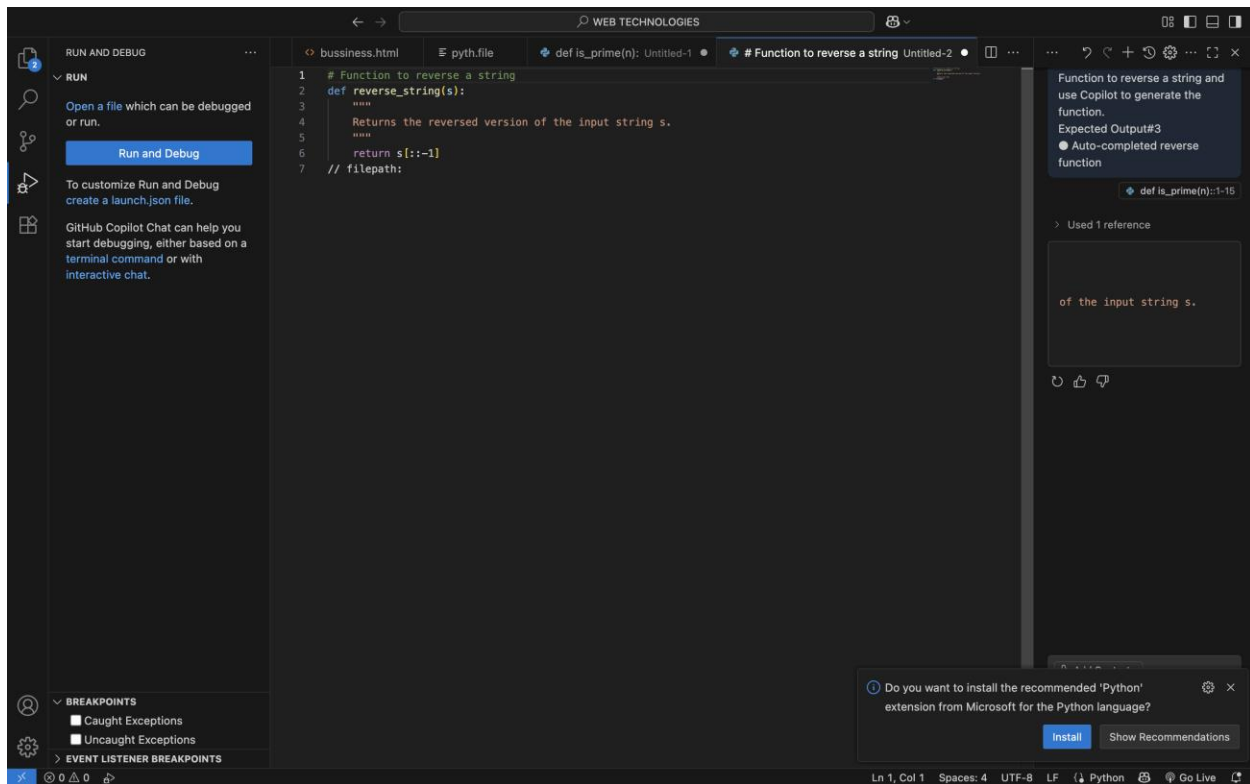PROMPT USED : Write a python function to check if the give number is prime or not with simple logic

Task Description#3
● Write a comment like # Function to reverse a string and use Copilot to generate the function.
Expected Output#3
● Auto-completed reverse function

PROMPT USED : Write a python function with simple code to reverse a string
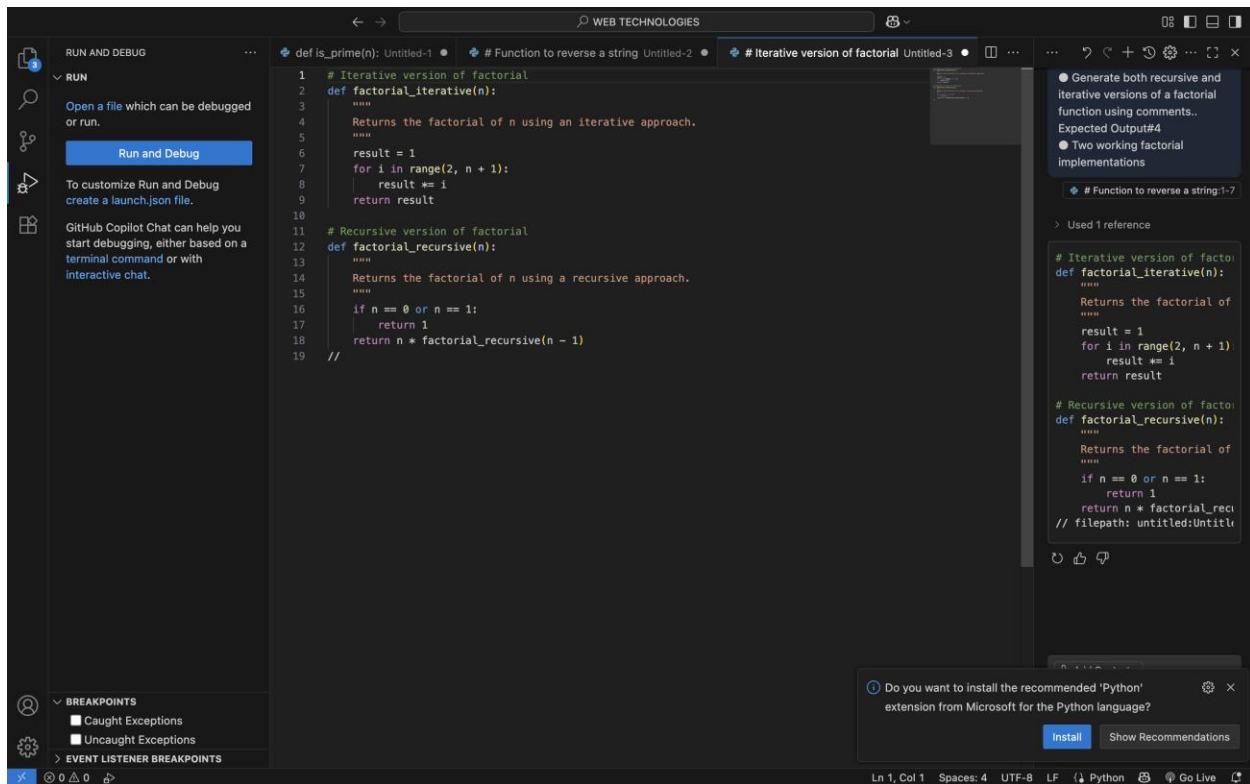
```
1   # Function to reverse a string
2   def reverse_string(s):
3       """
4       Returns the reversed version of the input string s.
5       """
6       return s[::-1]
7   // filepath:
```

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

Function to reverse a string and use Copilot to generate the function.
Expected Output#3
● Auto-completed reverse function

✦ def is_prime(n)::1-15

> Used 1 reference

of the input string s.

ⓘ Do you want to install the recommended 'Python' extension from Microsoft for the Python language?

Install   Show Recommendations

Ln 1, Col 1   Spaces: 4   UTF-8   LF   Python   Go Live

Task Description#4
● Generate both recursive and iterative versions of a factorial function using comments..
Expected Output#4
● Two working factorial implementations

PROMPT USED : Write a code to generate both recursive and iterative versions of a factorial function but only using comments with simple code
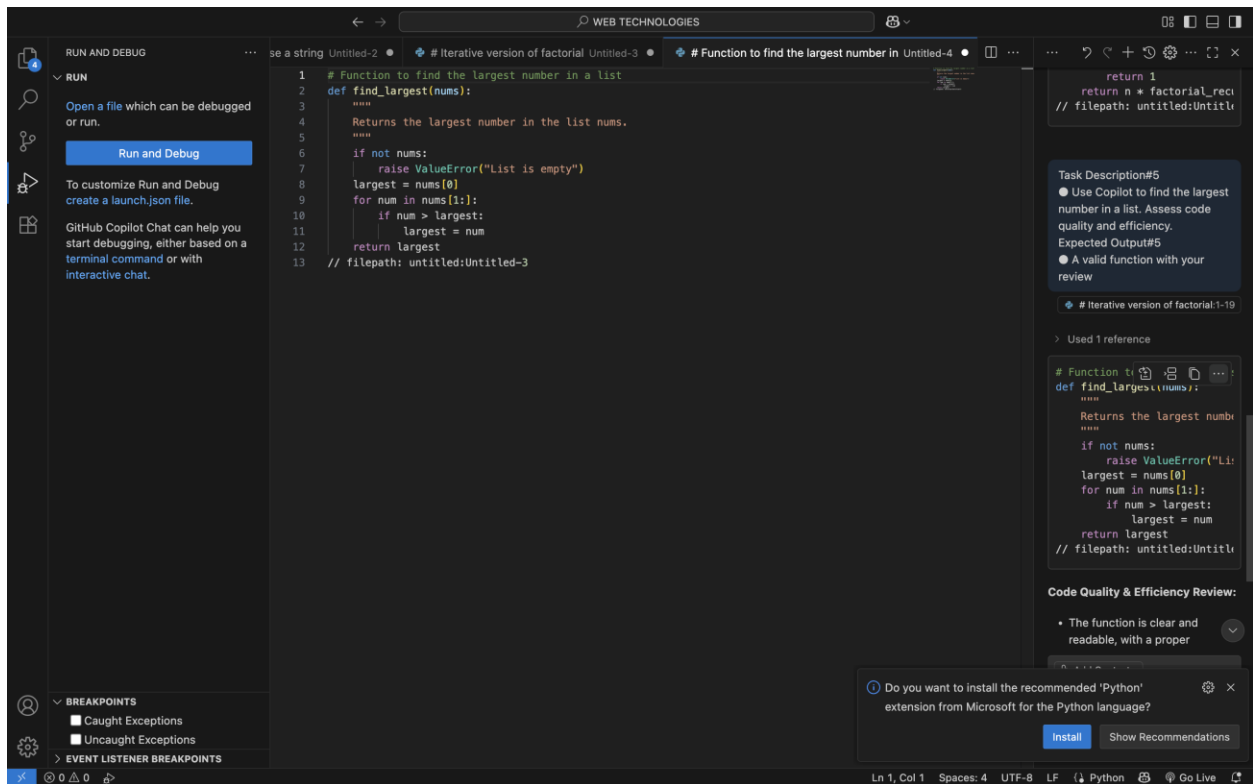
Task Description#5
● Use Copilot to find the largest number in a list. Assess code quality and efficiency.
Expected Output#5
● A valid function with your review

PROMPT USED : Write a python code to find the largest number in a list

ANALYSIS :

The function find_largest efficiently finds the largest number in a list.

It handles empty lists with an exception.

The code is clear, concise, and uses a single pass through the list.