

AI Assisted Problem Solving Using Python

AcademicYear:2025-2026

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| Assignment Type: Lab  Assig\_No. 1 |

Submitted by:

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Course: M.tech data Science

Submitted to:

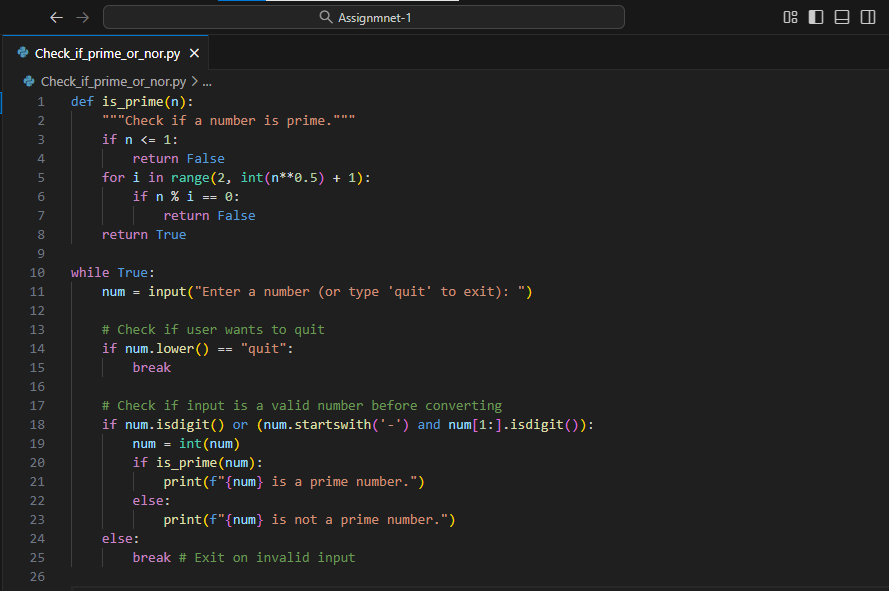
Name: Venkataramana Veeramsetty

Title: Course Instructor

Date: 27 Oct 2025

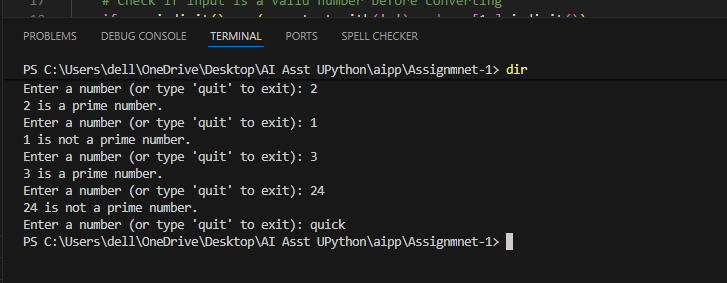
Q 2**: Use Copilot to generate a is\_prime() Python function.**

Code:



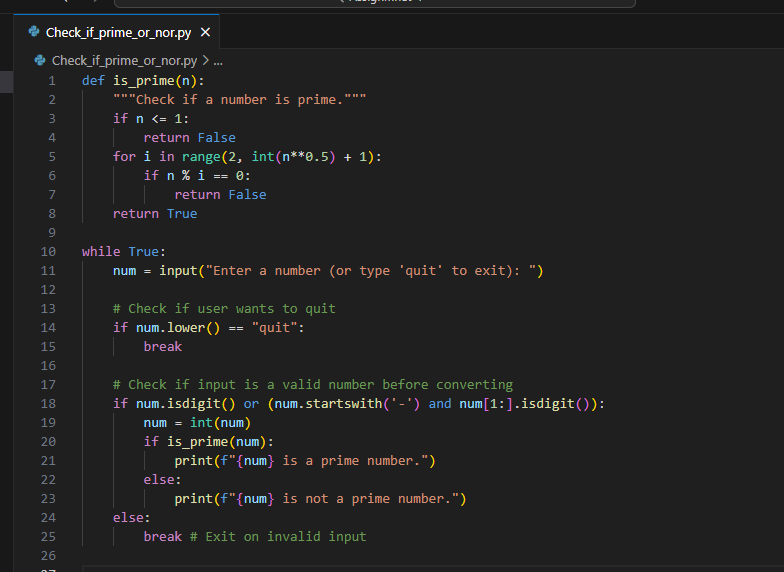
**Output screenshot:**

Function to check primality with correct logic.

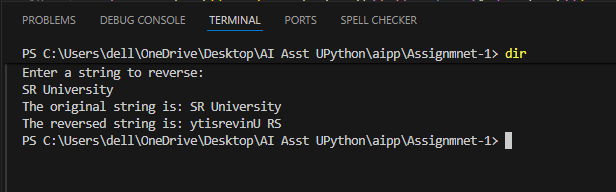


Q 3: **Write a comment like # Function to reverse a string and use Copilot to generate the function.**

Code:

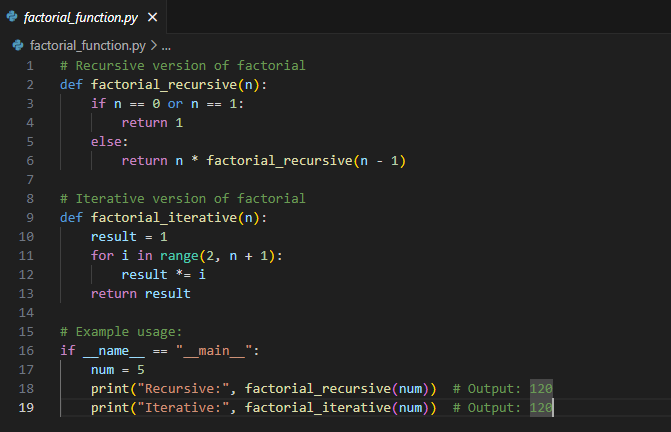


**Output: Auto-completed reverse function**

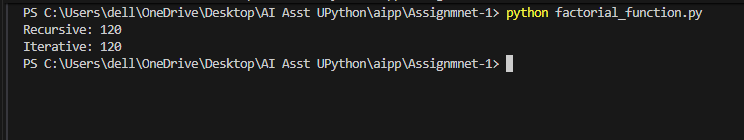


**Q4: Generate both recursive and iterative versions of a factorial function using comments**..

Code:

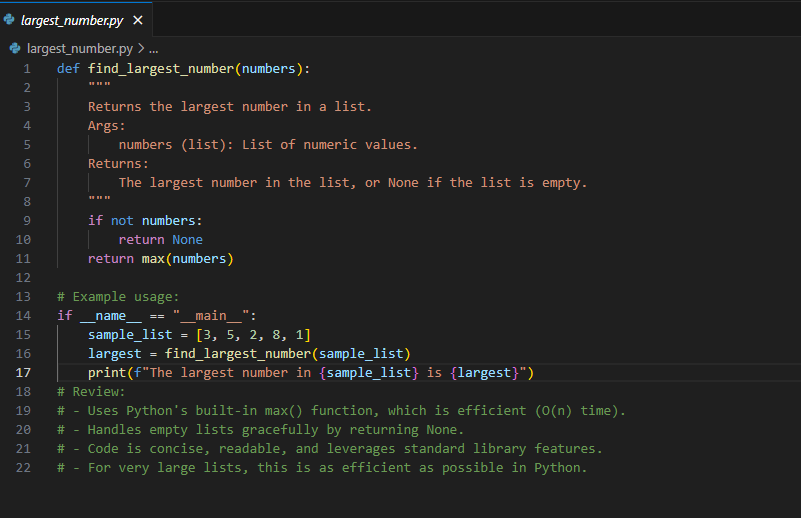


**Output: Two working factorial implementations**



**Q 5: Use Copilot to find the largest number in a list. Assess code quality and efficiency**

Code:



**Output: A valid function with your review**

