

AI Assisted Problem Solving Using Python

AcademicYear:2025-2026

| Assignment Type: Lab  Assig\_No. 1 |
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Submitted by:

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Course: Msc Computer Science

Submitted to:

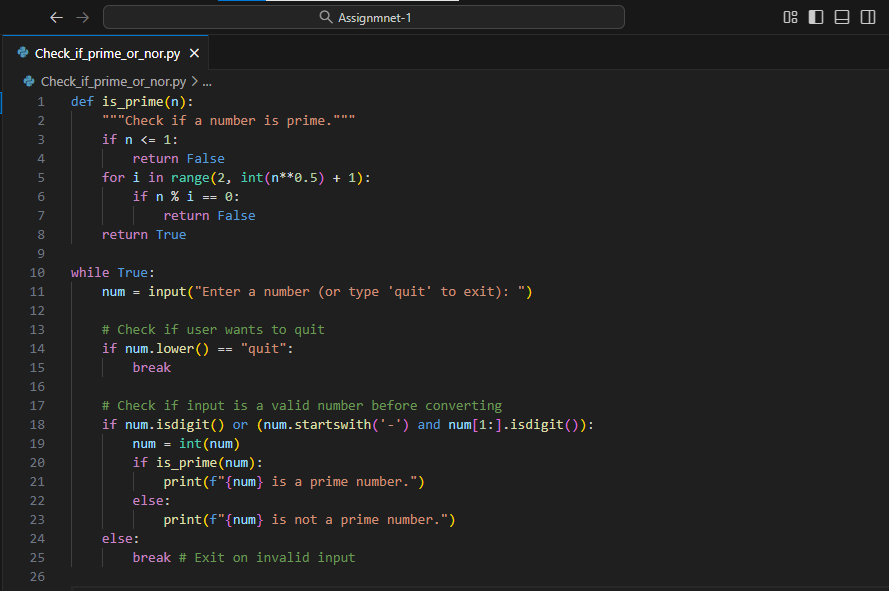
Name: Venkataramana Veeramsetty

Title: Course Instructor

Date: 27 Oct 2025

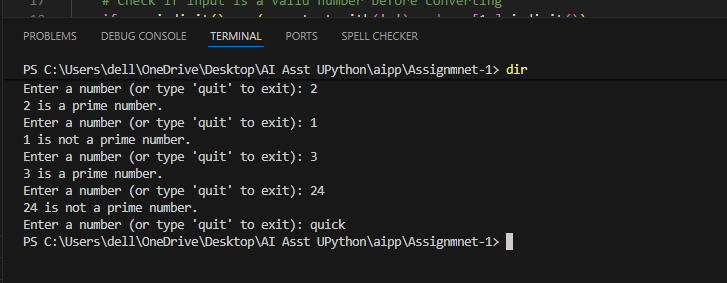
Q 2: Use Copilot to generate a is\_prime() Python function.

Code:



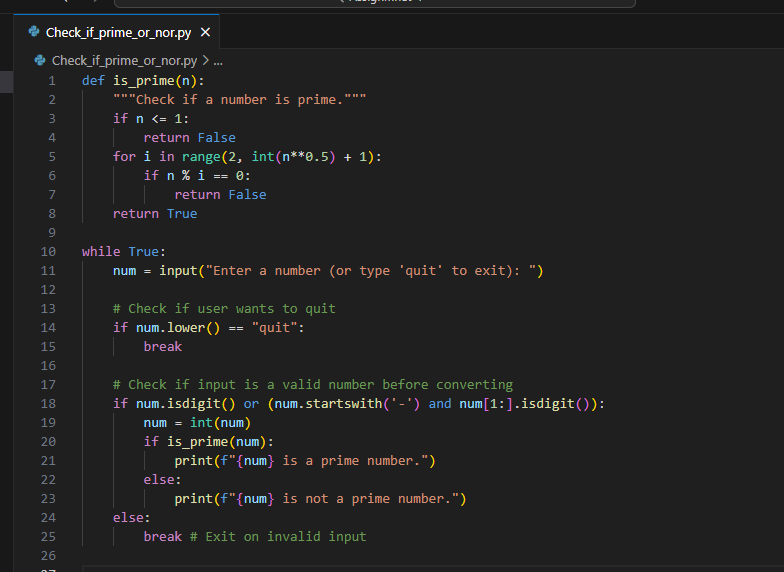
Output screenshot:

Function to check primality with correct logic.

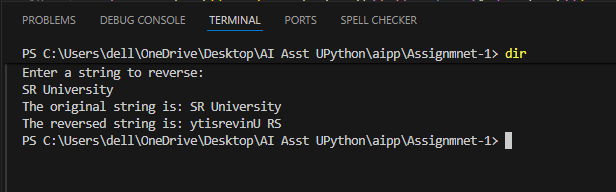


Q 3: Write a comment like # Function to reverse a string and use Copilot to generate the function.

Code:

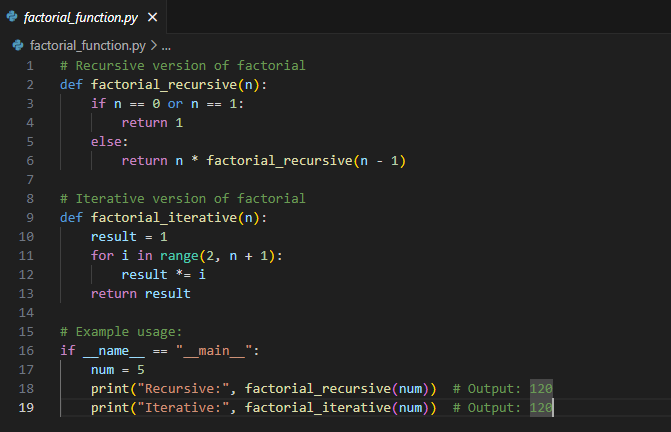


Output: Auto-completed reverse function

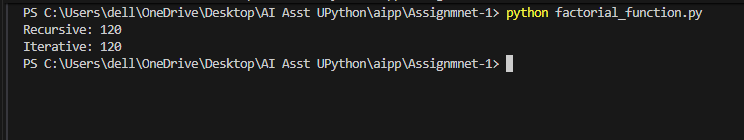


Q4: Generate both recursive and iterative versions of a factorial function using comments..

Code:

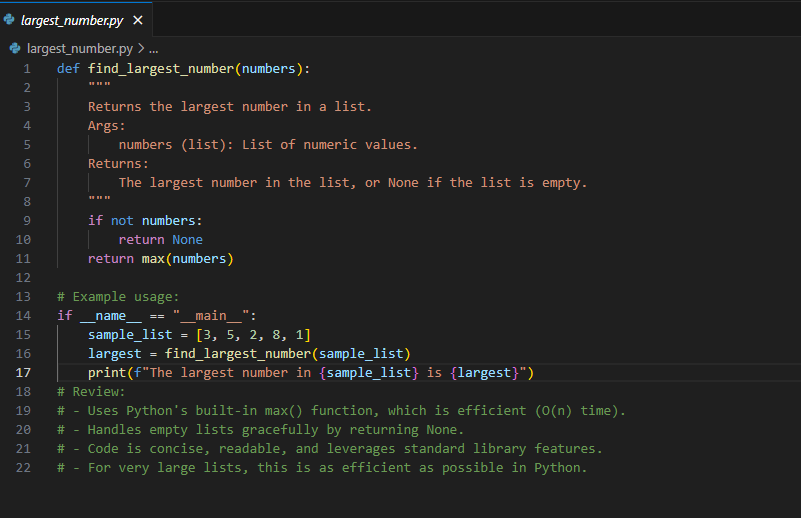


Output: Two working factorial implementations



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

