ASSIGNMENT 6.4

NAME: saketh

2403a51337

DATE:10/9/25

Task Description 1:

• Start a Python class named Student with attributes name, roll\_number, and marks. Prompt

GitHub Copilot to complete methods for displaying details and checking if marks are above

average.

Expected Outcome #1:

• Completed class with Copilot-generated methods like display\_details() and is\_passed(),

demonstrating use of if-else conditions

CODE:

OUTPUT:

OBSERVATION:

Task Description :2

• Write the first two lines of a for loop to iterate through a list of numbers. Use a comment

prompt to let Copilot suggest how to calculate and print the square of even numbers only.

Expected Outcome #2:

• A complete loop generated by Copilot with conditional logic (if number % 2 == 0) and

appropriate output

CODE:

OUTPUT:

OBSERVATION:

Task Description:3

• Create a class called BankAccount with attributes account\_holder and balance. Use Copilot to

complete methods for deposit(), withdraw(), and check for insufficient balance.

Expected Outcome #3:

• Functional class with complete method definitions using if conditions and self attributes. Code

should prevent overdrawing.

CODE:

OUTPUT:

OBSERVATION:

Task Description :4

• Define a list of student dictionaries with keys name and score. Ask Copilot to write a while

loop to print the names of students who scored more than 75.

Expected Outcome #4:

• A complete while loop generated by Copilot with proper condition checks and formatted

output

CODE:

OUTPUT:

OBSERVATION:

Task Description:5

• Begin writing a class ShoppingCart with an empty items list. Prompt Copilot to generate

methods to add\_item, remove\_item, and use a loop to calculate the total bill using conditional

discounts.

Expected Outcome #5:

• A fully implemented ShoppingCart class with Copilot-generated loops and if-else statements

handling item management and discount logic

CODE:

OUTPUT:

OBSERVATION: