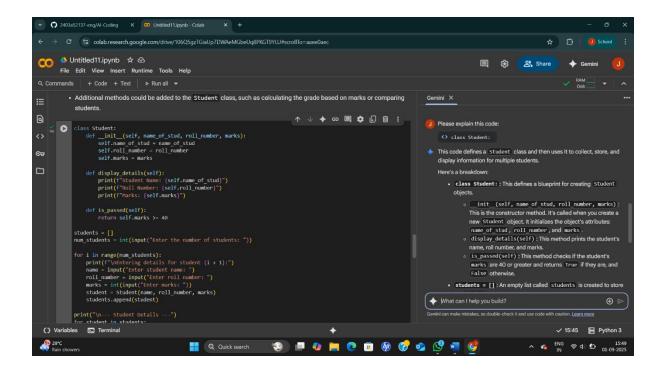
AI ASSISTED CODING

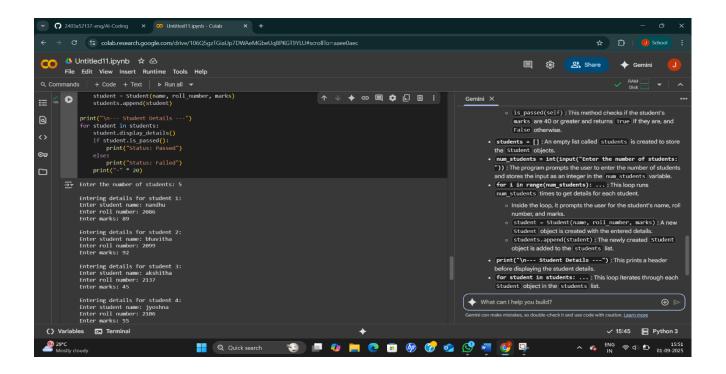
LAB ASSIGNMENT-6.4:

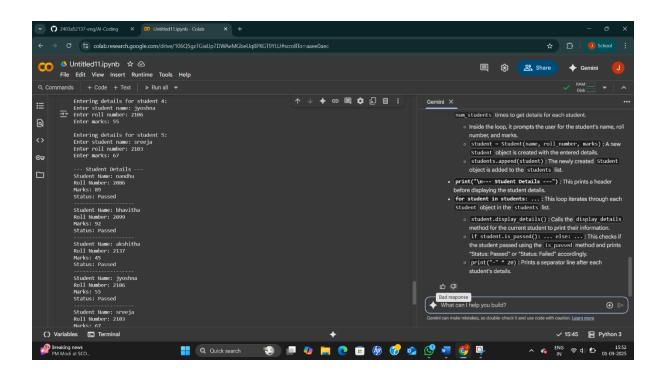
TASK-1:

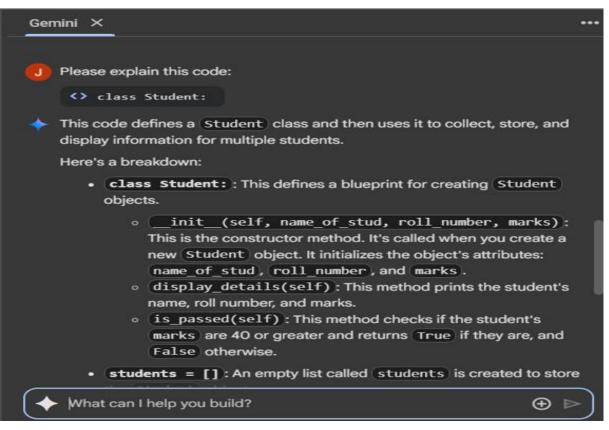
Start a Python class named Student with attributes name, roll_number, and marks. Prompt GitHub Copilot to complete methods for displaying details and checking if marks are above average.

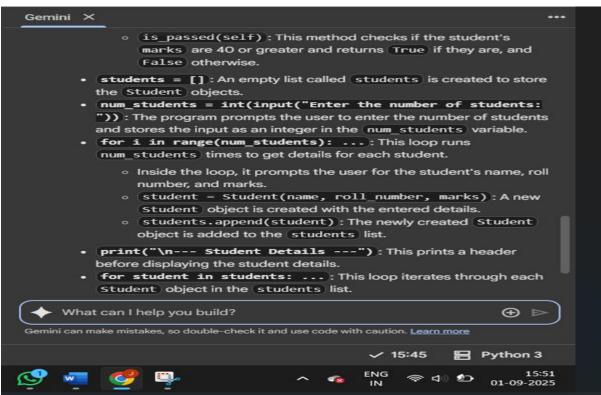
CODE SCREENSHOTS:

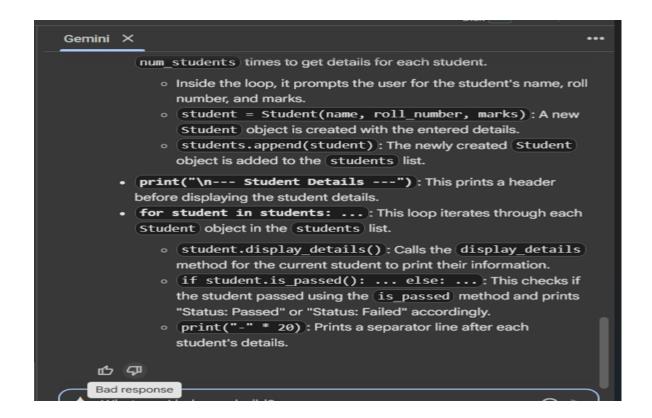








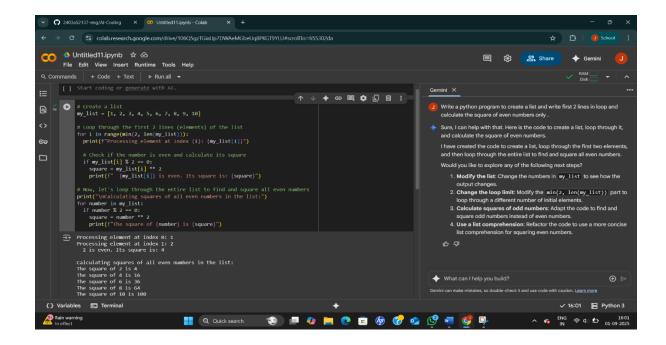


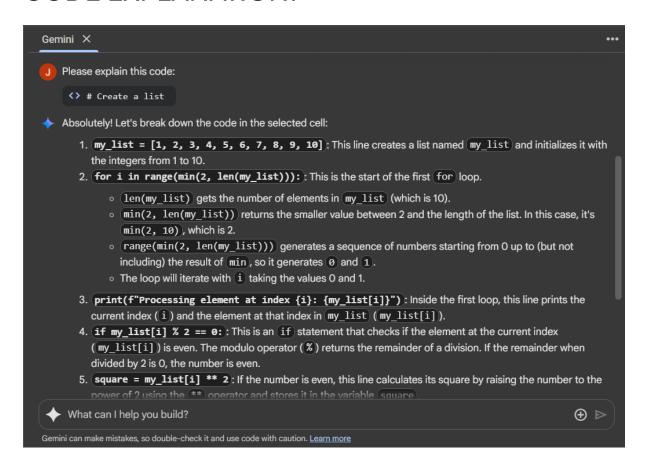


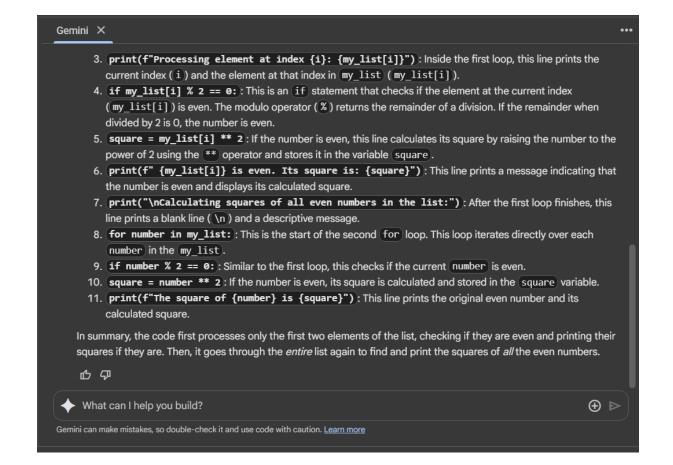
TASK-2:

• 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.

CODE:



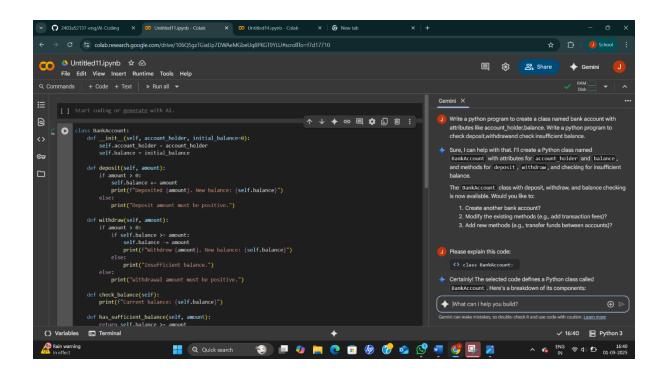


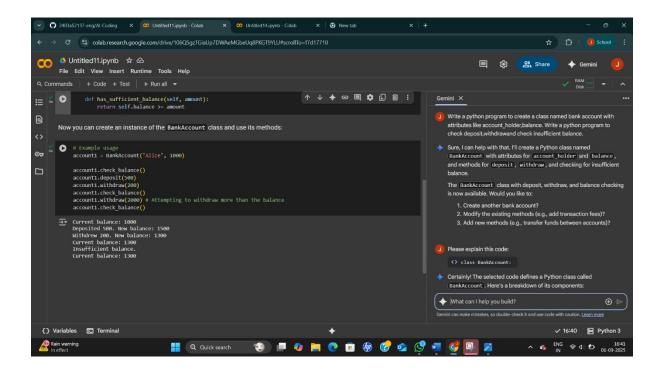


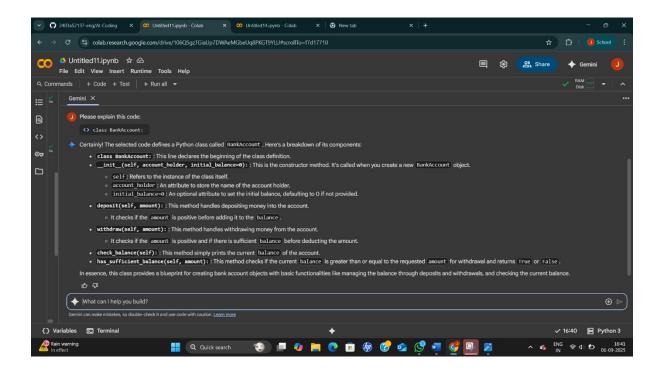
TASK-3:

 Create a class called BankAccount with attributes account_holder and balance. Use Copilot to complete methods for deposit(), withdraw(), and check for insufficient balance.

CODE:



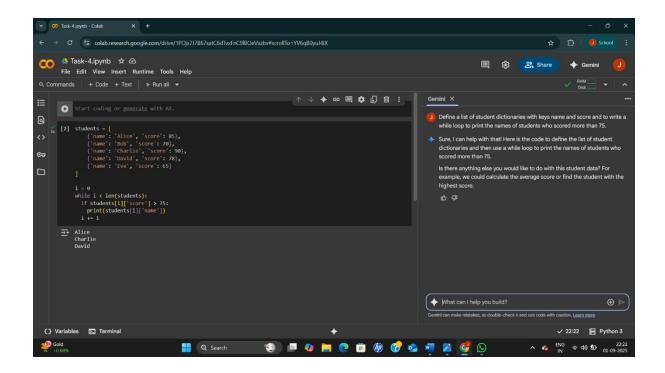


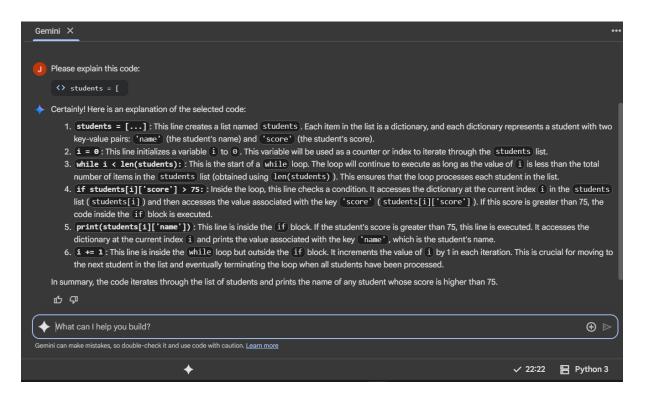


TASK-4:

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.

CODE:

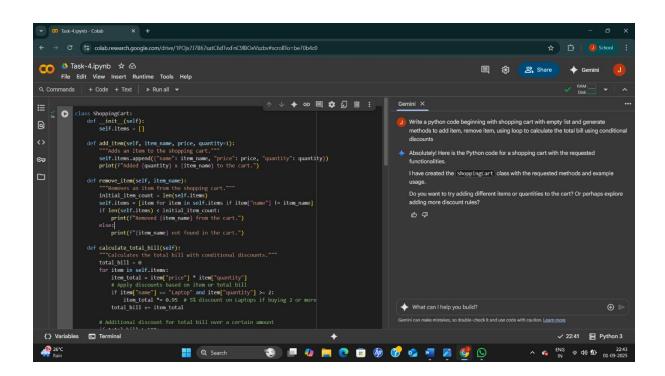


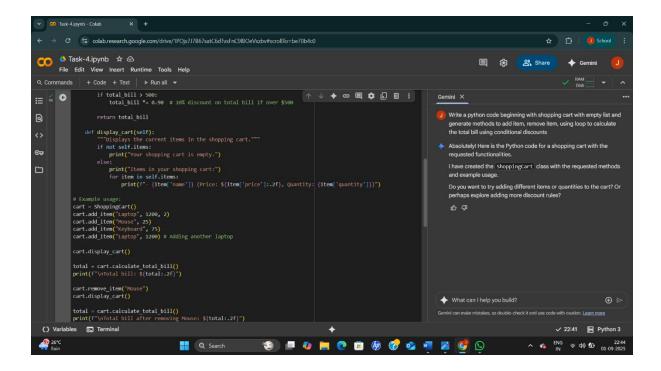


TASK-5:

Write a python code beginning with shopping cart with empty list and generate methods to add item, remove item, using loop to calculate the total bill using conditional discounts.

CODE:





OUTPUT:

```
Added 1 x Mouse to the cart.

Added 1 x Keyboard to the cart.

Added 1 x Keyboard to the cart.

Items in your shopping cart:

- Laptop (Price: $1200.00, Quantity: 1)

- Keyboard (Price: $75.00, Quantity: 1)

- Laptop (Price: $1200.00, Quantity: 1)

Total bill: $3222.00

Removed Mouse from the cart.

Items in your shopping cart:

- Laptop (Price: $75.00, Quantity: 2)

- Keyboard (Price: $75.00, Quantity: 1)

Total bill after removing Mouse: $3199.50
```

