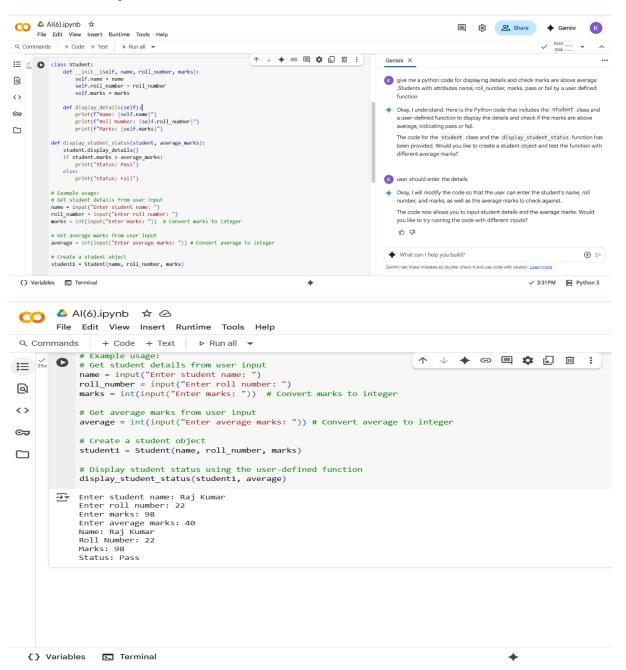
Assignment-6.4

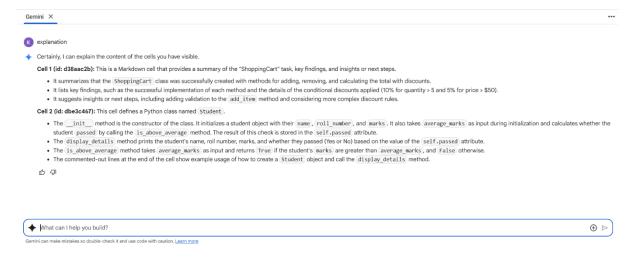
2403a52132

Task 1:

>Give me a python code for displaying details and check marks are above average ,Students with attributes name, roll-number, marks, pass or fail.

><u>U</u>ser should enter the details.

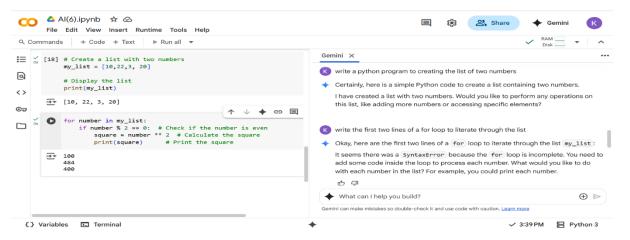




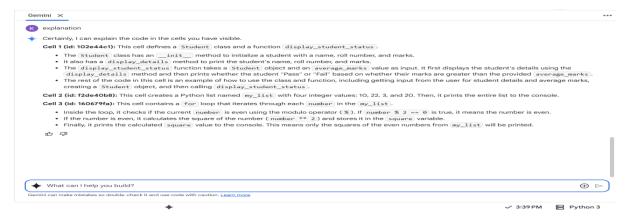
Task 2:

- >Write a python program to creating the list of two numbers.
- >Write the first two lines of a for loop to literate through the list.
- >Calculates and print the square of even numbers only

Code and Output:



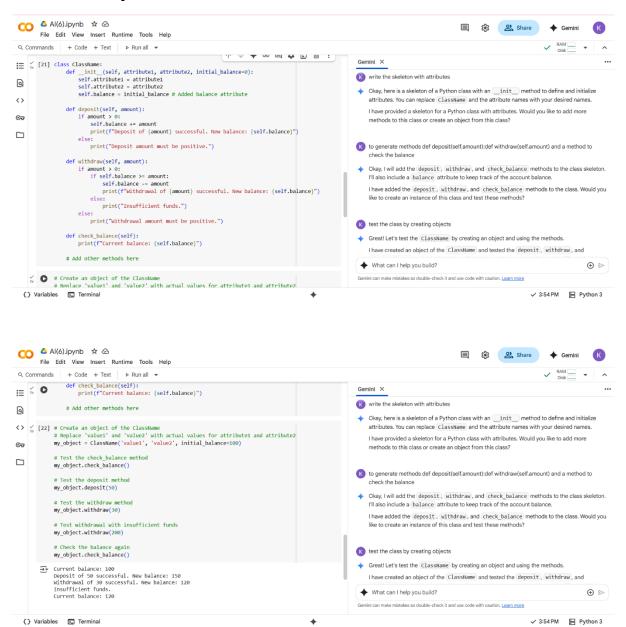
Explanation:

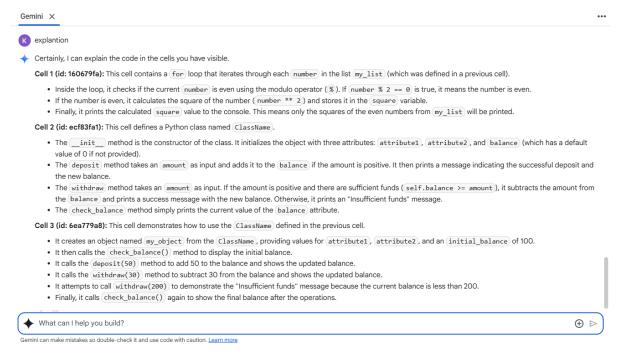


Task 3:

>Write the skeleton with attributes to generate methods def deposit(self.amount):def withdraw(self.amount) and a method to check the balance.

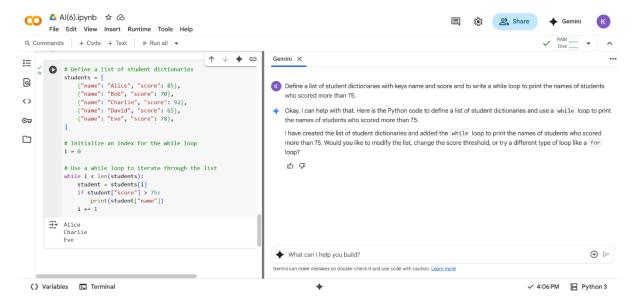
>Test the class by creating objects.

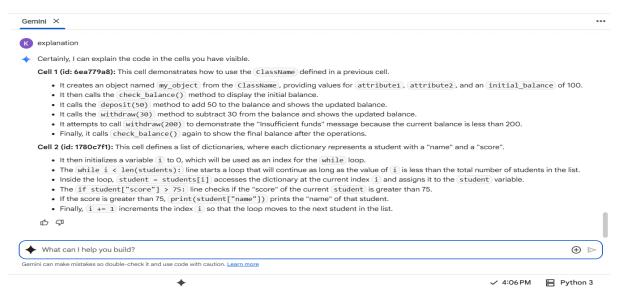




Task 4:

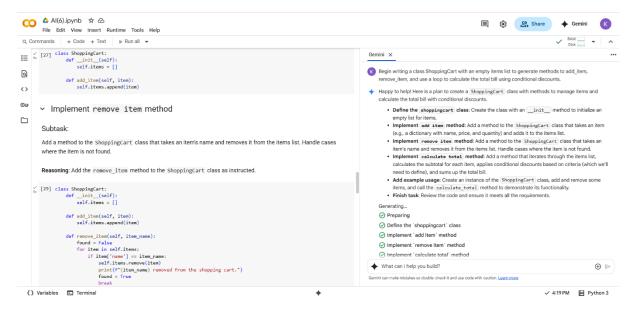
Define a list of student dictionaries with keys name and score and to write a while loop to print the names of students who scored more than 75.

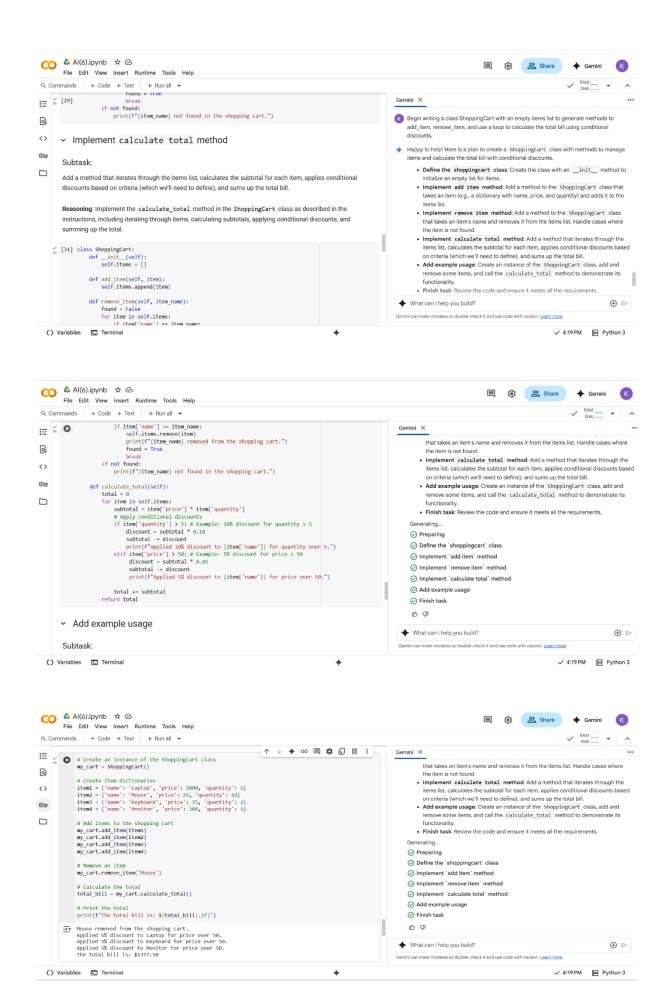




Task 5:

Begin writing a class ShoppingCart with an empty items list to generate methods to add_item, remove_item, and use a loop to calculate the total bill using conditional discounts.





K Explanation

Gemini X

Certainly, I can explain the content of the cells you have visible.

Cell 1 (id: ccb80eed): This is a Markdown cell that introduces the subtask of adding example usage to the ShoppingCart class. It explains that the goal is to create an instance of the class, add and remove items, and call the calculate_total method to show how it works.

Cell 2 (id: e4ec64e6): This is a Markdown cell providing the reasoning for the next code cell. It states that the next step is to create an instance of the ShoppingCart class, define item dictionaries, add and remove items, calculate the total, and print the result.

Cell 3 (id: 2d979ea4): This is a code cell that demonstrates the usage of the ShoppingCart class.

- It creates an instance of the ShoppingCart class called my_cart.
- It defines four dictionaries (item1, item2, item3, item4) representing different items with their names, prices, and quantities.
 It adds all four items to the imy_cart_using the add_item method.
- It then removes the item named 'Mouse' from the cart using the remove_item method.
- It calls the calculate_total() method on my_cart to calculate the total bill after adding and removing items, and stores the result in total_bill.
 Finally, it prints the total_bill formatted as a currency value with two decimal places.

Cell 4 (id: d38aac2b): This is a Markdown cell that provides a summary of the task, key findings, and insights or next steps.

- It summarizes that the ShoppingCart class was successfully created with methods for adding, removing, and calculating the total with discounts.
- It lists key findings, such as the successful implementation of each method and the details of the conditional discounts applied (10% for quantity > 5 and 5% for price > \$50).
 It suggests insights or next steps, including adding validation to the add_item method and considering more complex discount rules.

♦ What can I help you build?

⊕ ⊳

nini can make mistakes so double-check it and use code with caution. Learn more