# Prompt:

```
start a python class called Student with attributes: name, Roll_no and
     marks.and also add methods like displaying details and checking if the
     marks are above average

    ai.py +14 -0

The Student class has been created in ai.py with attributes name,
roll no, and marks. It includes methods to display details and check if the
marks are above average. Let me know if you want to add more features or see
usage examples.
     make sure to check the code again and include the use of method of
     displaying details and checking if the marks are above average with the
     use of if else condition
₱ ai.py +9 -0
The code now includes an example that creates a student object displays its
```

```
🦆 ai.py > ...
      # Student class definition
      class Student:
          def __init__(self, name, roll_no, marks):
              self.name = name
              self.roll no = roll no
              self.marks = marks
          def display details(self):
              print(f"Name: {self.name}")
              print(f"Roll No: {self.roll no}")
 10
              print(f"Marks: {self.marks}")
11
12
          def is_above_average(self, average=50):
13
14
              return self.marks > average
15
      # Example usage
16
      if __name__ == "__main__":
17
          student1 = Student("Alice", 101, 75)
18
          student1.display details()
19
          if student1.is_above_average():
20
              print("Marks are above average.")
21
          else:
22
              print("Marks are not above average.")
23
24
```

# Prompt:

```
or this code try to write a python program where you can can seperate the even numbers and after seperating them print the square of the even numbers.

Ask or edit in context

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```

```
# List of numbers
numbers = [1, 2, 3, 4, 5, 6, 7, 8]

# Separate even numbers and calculate their squares
even_numbers = [num for num in numbers if num % 2 == 0]
squared_evens = [num ** 2 for num in even_numbers]

# Print the squares of even numbers
print("Squares of even numbers:", squared_evens)
```

# Prompt:

reate a class called bank account with attributes such as account\_holder and balance . also include methods like deposit(), withdrawal, and checking balance make sure that the user doesnt overdraw from it and the functional class should complete methods using if conditions and self attributes.

```
 AI ASSISTED PART 2.py > ...
  1 v class BankAccount:
          def __init__(self, account_holder, initial_balance=0):
              self.account holder = account holder
              self.balance = initial_balance
          def deposit(self, amount):
              if amount > 0:
                  self.balance += amount
                  print(f"Deposited {amount}. New balance: {self.balance}")
                  print("Deposit amount must be positive.")
          def withdrawal(self, amount):
              if amount > 0:
                  if self.balance >= amount:
                      self.balance -= amount
                      print(f"Withdrew {amount}. New balance: {self.balance}")
                      print("Insufficient funds. Withdrawal denied.")
                  print("Withdrawal amount must be positive.")
          def check_balance(self):
              print(f"Account holder: {self.account holder}, Balance: {self.balance}")
     # Example usage:
 29 # account.withdrawal(30)
 30 # account.check_balance()
```

## Prompt:

```
Al ASSISTED PART 2.py

1

Define a list of student dictionaries with keys "name" and "score". Write a complete while loop with proper condition checks that goes through the list and prints the names of students who scored more than 75.

...

Ask or edit in context

GPT-40 

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```

#### code

```
# Define a list of student dictionaries
students = [
    {"name": "Alice", "score": 85},
    {"name": "Bob", "score": 72},
    {"name": "Charlie", "score": 90},
    {"name": "Diana", "score": 65},
    {"name": "Eve", "score": 78}
# Initialize an index for the while loop
index = 0
# Loop through the list of students
while index < len(students):</pre>
    # Check if the student's score is greater than 75
    if students[index]["score"] > 75:
        # Print the student's name
        print(students[index]["name"])
    # Increment the index
    index += 1
```

# task #5

# Prompt:

Firstly create a class called Shopping Cart with empty items listnow generate methods to add_item, remove_item, and also create a loop to calculate the bill using some conditional discounts. the end result of the code should be having loops and if else statements handling item management and discount logic .			
Ask or edit in context	GPT-4o ∨	Ŷ	• ~
Cancel			

```
🥏 AI ASSISTED PART 2.py 🗦 .
      class ShoppingCart:
          def __init__(self):
              self.items = []
          def add_item(self, item_name, price, quantity=1):
               self.items.append({
                   'name': item_name,
                   'price': price,
                   'quantity': quantity
              print(f"Added {quantity} x {item_name} to the cart.")
          def remove_item(self, item_name):
               # Remove an item from the shopping cart
               for item in self.items:
                   if item['name'] == item_name:
                      self.items.remove(item)
                       print(f"Removed {item_name} from the cart.")
              print(f"Item {item_name} not found in the cart.")
          def calculate_bill(self):
               total = 0
               for item in self.items:
                   item_total = item['price'] * item['quantity']
                   print(f"{item['quantity']} x {item['name']} @ {item['price']} each = {item_total}")
                  total += item_total
                   print(f"Discount applied: -{discount}")
                   total -= discount
               elif len(self.items) > 5:
                   print(f"Discount applied: -{discount}")
                   total -= discount
              print(f"Total bill: {total}")
              return total
      if __name__ == "__main__":
    cart = ShoppingCart()
          cart.add_item("Apple", 1.5, 4)
          cart.add_item("Banana", 0.5, 10)
cart.add_item("Milk", 3.0, 2)
          cart.remove_item("Banana")
          cart.add_item("Bread", 2.5, 1)
cart.calculate_bill()
```