# Assignment – 6

# AI Assistance in coding

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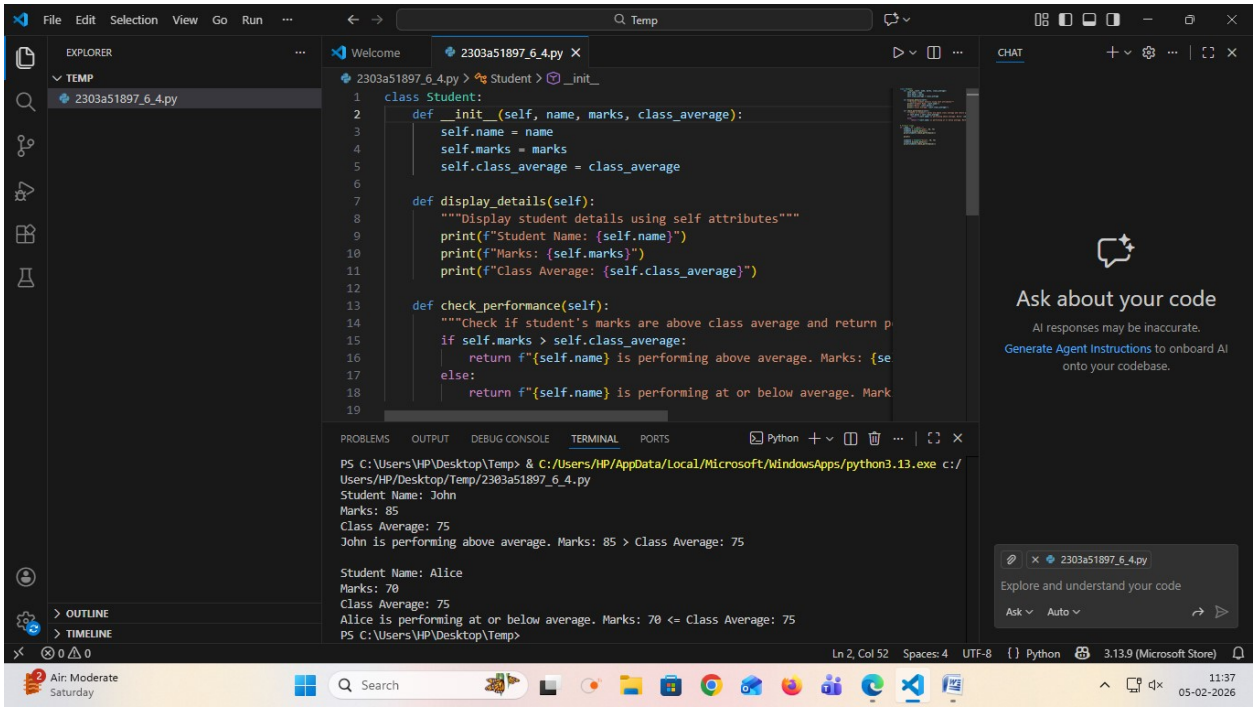
## Task 1 – Student Performance Evaluation

Create a method to display student details using self attributes

Create a method that checks whether the student's marks
are above the class average using if-else
Return an appropriate performance message

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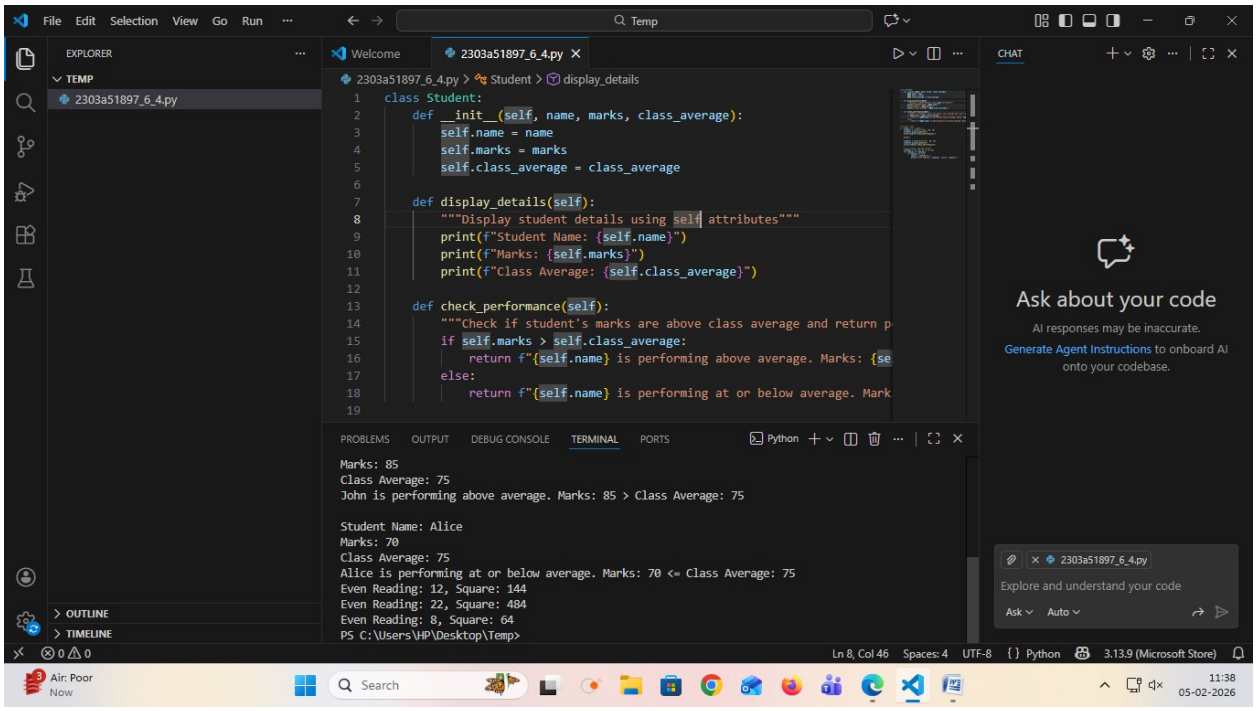
## Task 2 – Data Processing in Monitoring System

Inside the loop, identify even numbers using modulus operator
Calculate the square of even readings
Print the reading and its square in a readable format

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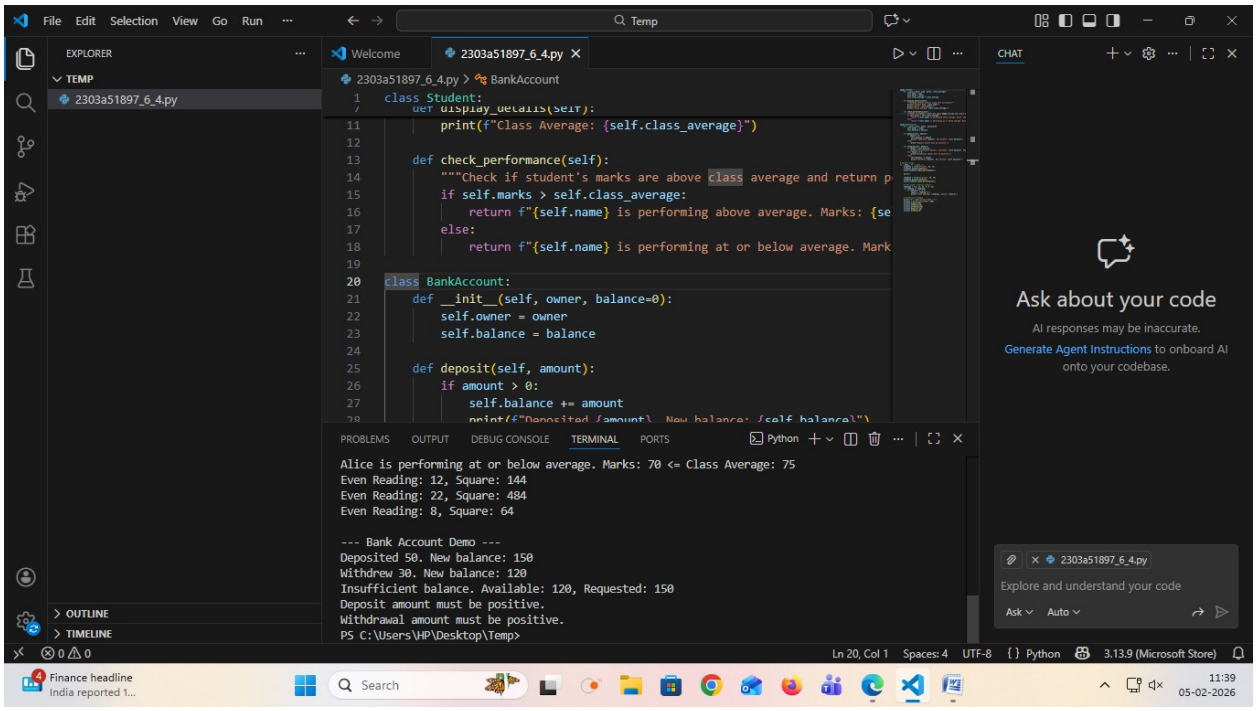
# Task 3 – Banking Transaction Simulation

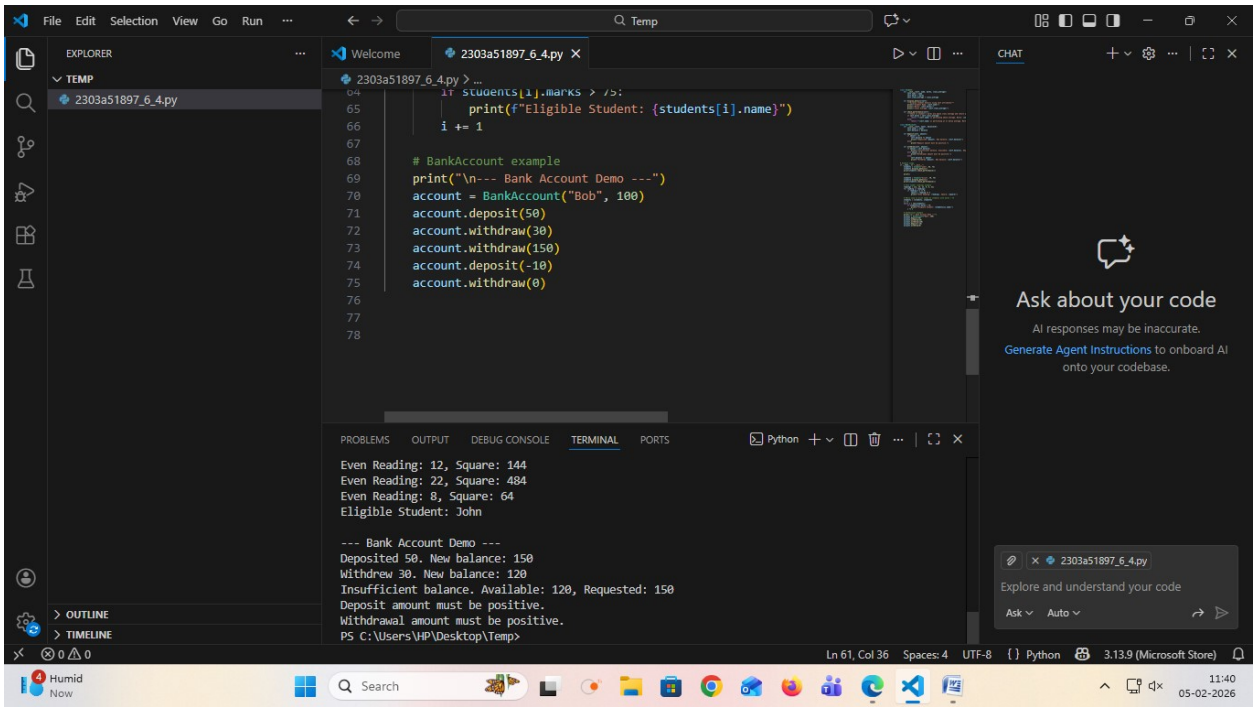
Create a deposit method that adds money to balance

Create a withdraw method
Use if-else to prevent withdrawal when balance is insufficient
Display user-friendly messages




# Task 4 – Student Scholarship Eligibility

Use a while loop to iterate through the student list
Check if the score is greater than 75
Print the name of eligible students

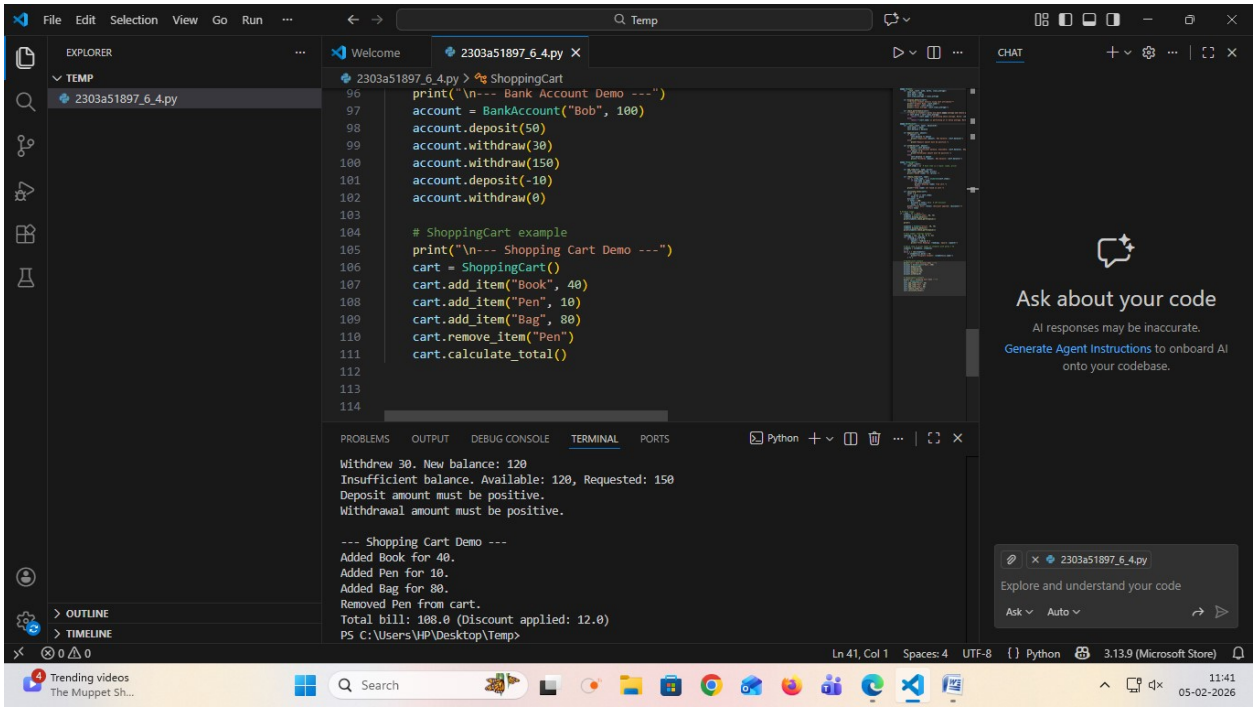


# Task 5 – Online Shopping Cart Module

Create a method to add items to the shopping cart

Create a method to remove items from the cart

Create a method to calculate total bill using a loop
Apply discount if total exceeds a certain amount




## Analysis:

This experiment helped the practical use of Python concepts such as classes, loops, and conditional statements. By working on real-world scenarios like student evaluation, banking, and shopping systems, improved problem-solving skills and learned how GitHub Copilot can assist in faster and more efficient code development.