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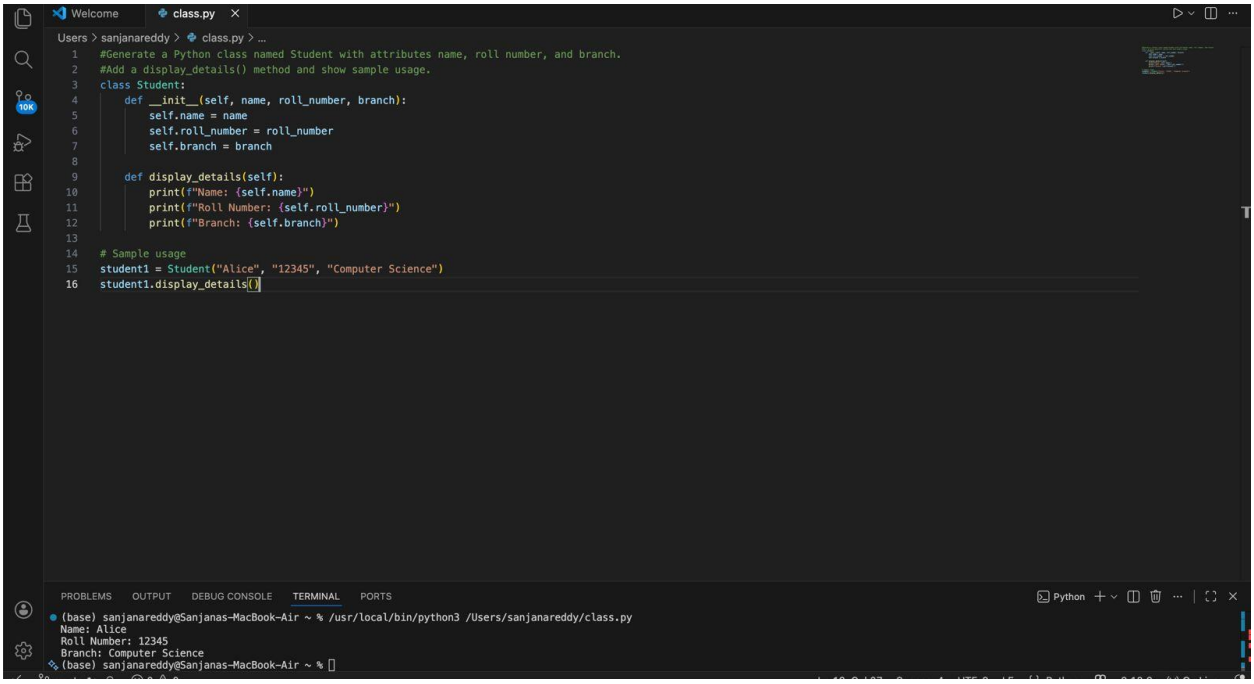
BATCH:07

Lab 6: AI-Based Code Completion – Classes, Loops, and Conditionals



TASK 1 – Classes (Student Class)

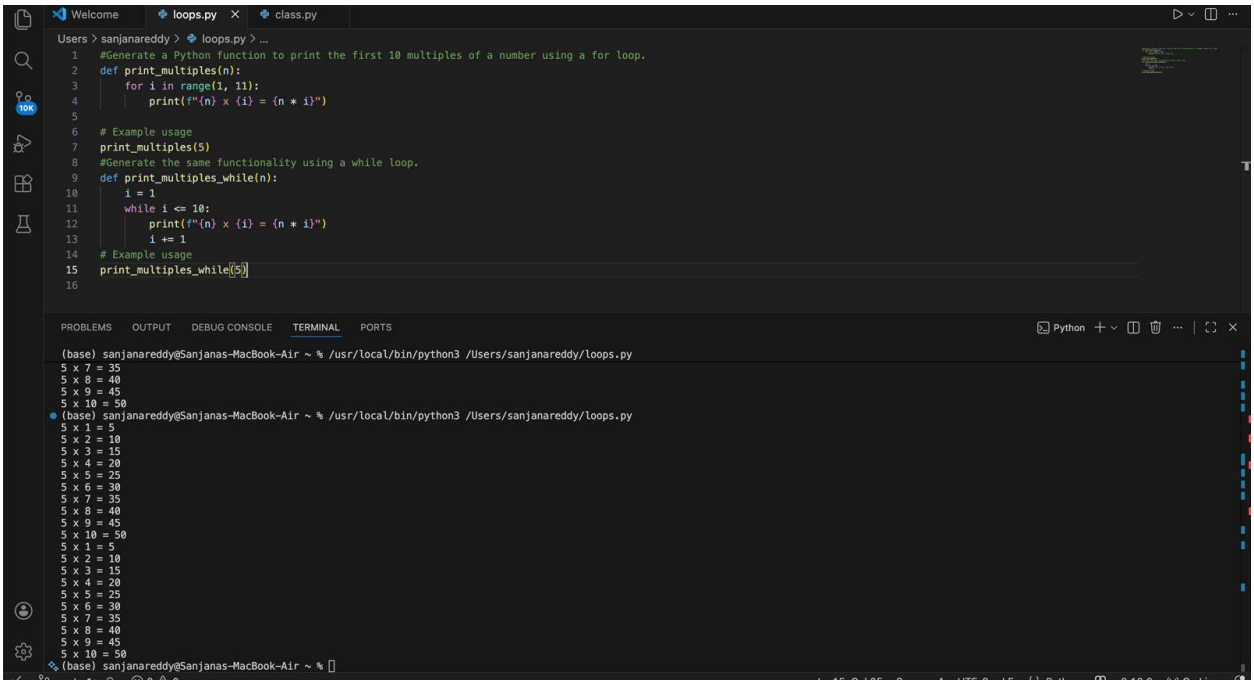
Analysis

The AI generated a correct class structure.

The constructor and method usage are clear.

The code is readable and easy to understand.

TASK 2 – Loops (Multiples of a Number)



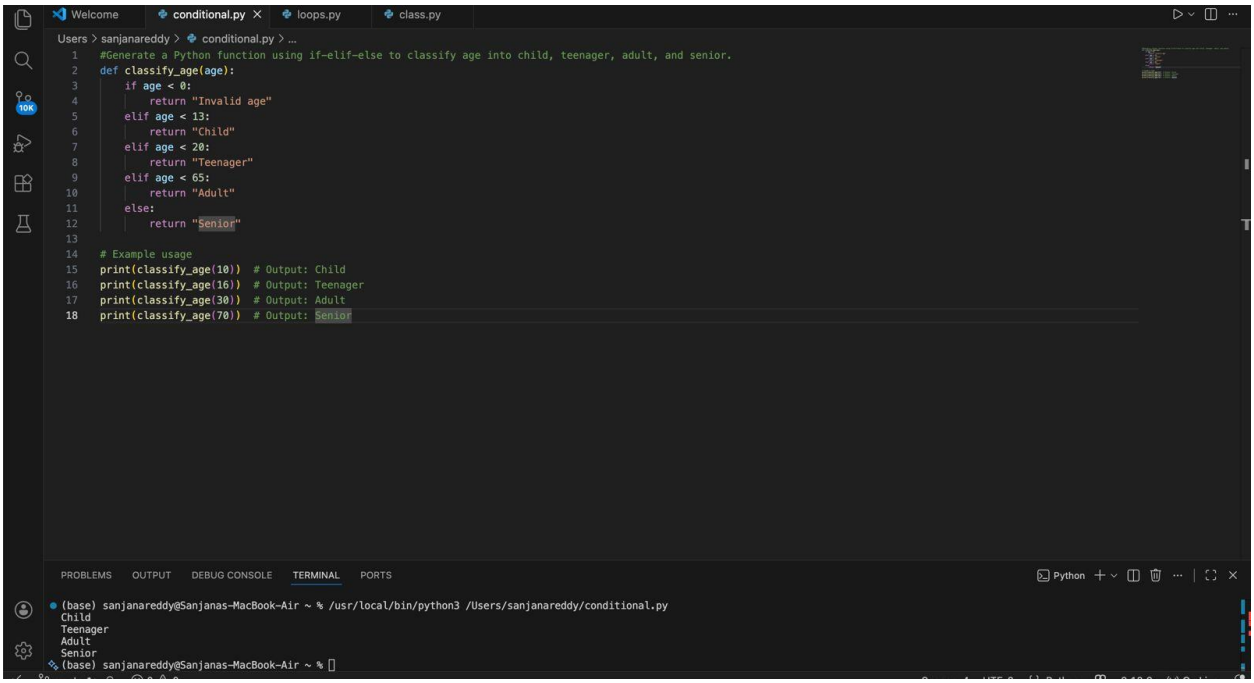
Analysis

The for loop is simpler and concise.

The while loop provides more control.

Both approaches produce correct output**.**

TASK 3 – Conditional Statements (Age Classification)

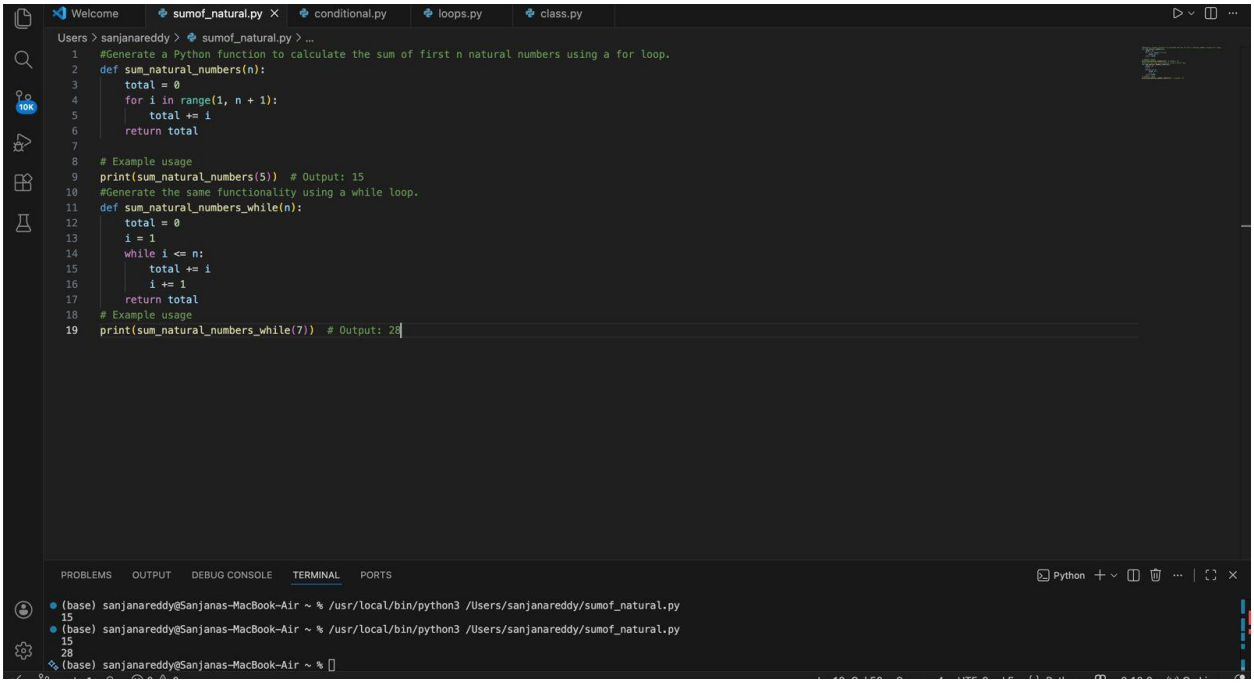


Analysis

The conditional logic is clear and correct.

All age groups are handled properly.

TASK 4 – For and While Loops (Sum of First n Numbers)



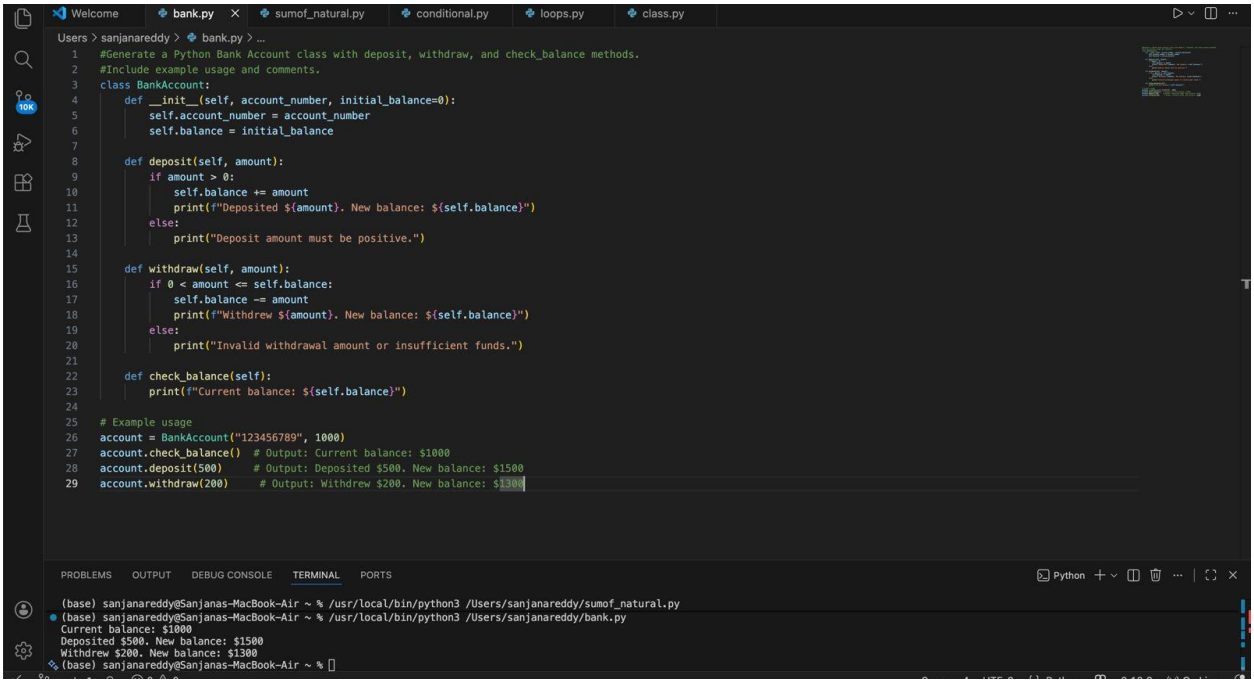
Comparison

The for loop implementation is concise.

The while loop implementation is flexible.

Both approaches give the same result.

TASK 5 – Classes (Bank Account Class)



Explanation

The AI generated a clean object-oriented design.

The methods work correctly and are easy to understand.

The code is readable and efficient.