Al Assisted Coding

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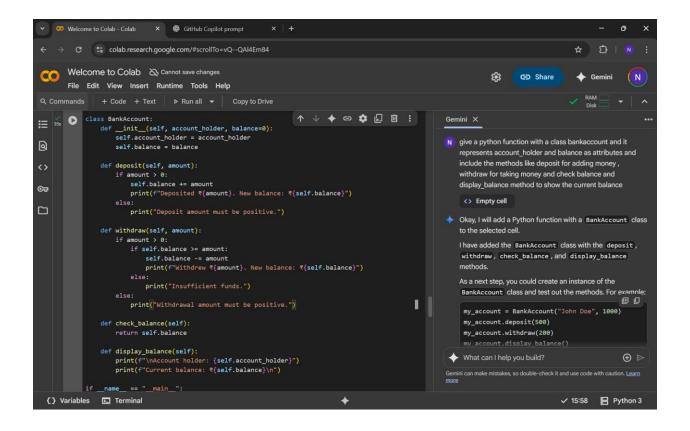
BATCH:12

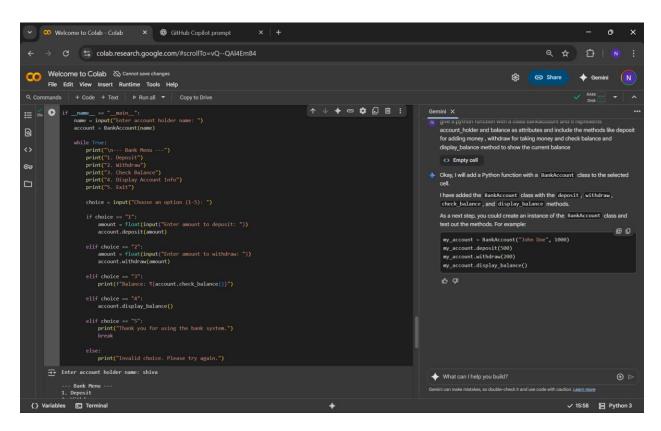
TASK1: Auto-Complete a Python Class for Bank Account

 Write a class definition comment and start the constructor for a class called BankAccount with

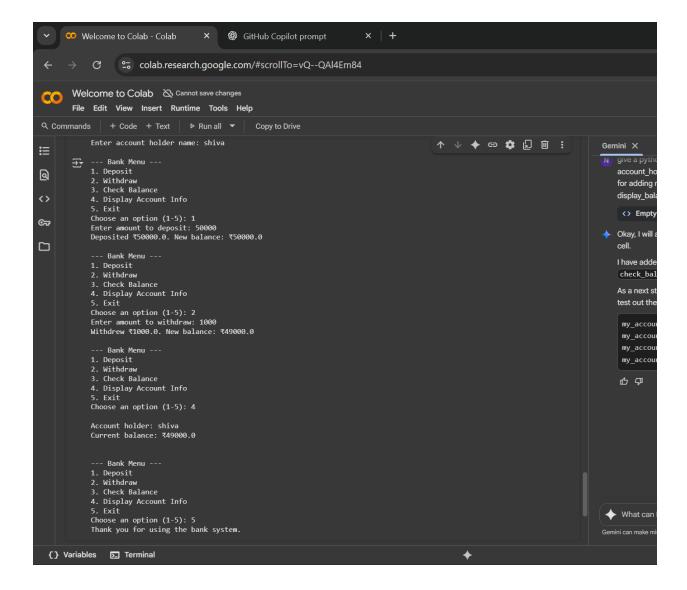
account_holder and balance attributes. Use GitHub Copilot to autocomplete the rest of the

class, including methods to deposit, withdraw, and display balance.





Output:



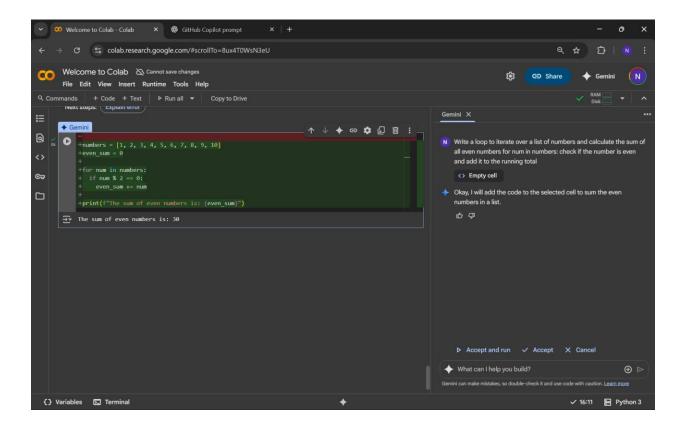
Task 2: Auto-Complete a For Loop to Sum Even Numbers in a List

- Write a comment and the initial line of a loop to iterate over a list. Allow GitHub Copilot to
 - complete the logic to sum all even numbers in the list

Expected Output #2

- Code that:
- Iterates over a list
- Checks if the number is even using % 2 == 0

- Accumulates the sum
- Sample input/output:



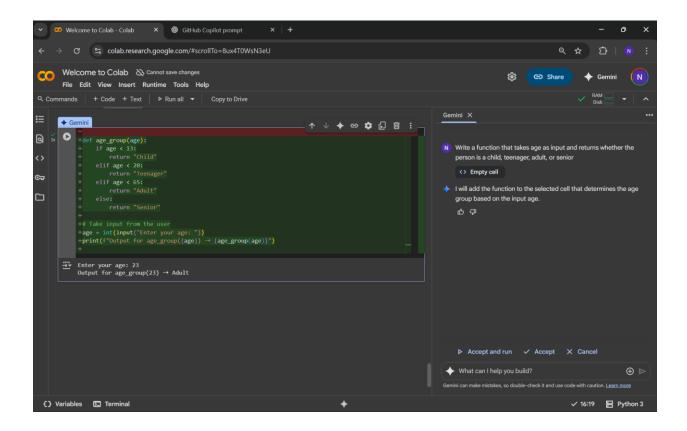
Task 3: Auto-Complete Conditional Logic to Check Age Group

• Start a function that takes age as input and returns whether the person is a child, teenager, adult, or senior using if-elif-else. Use Copilot to complete the conditionals.

Expected Output #3

• Function like:

Output for age_group(45) \rightarrow "Adult"

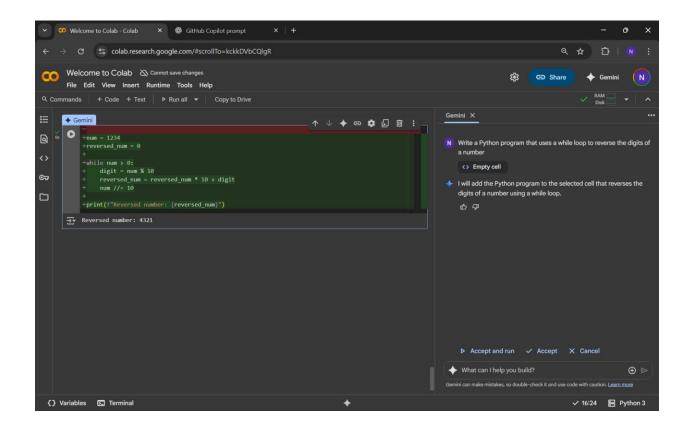


Task 4: Auto-Complete a While Loop to Reverse Digits of a Number

- Write a comment and start a while loop to reverse the digits
- Write a comment and start a while loop to reverse the digits of a number. Let Copilot complete the loop logic.

Expected Output #4

Functional loop: Output: 4321



Task 5: Auto-Complete Class with Inheritance (Employee → Manager)

• Begin a class Employee with attributes name and salary. Then, start a derived class Manager that inherits from Employee and adds department. Let GitHub Copilot complete the methods and constructor chaining.

Expected Output #5

• Auto-generated code like:

Name: John, Salary: 50000, Dept: IT

