AI ASSISTED CODING

LAB ASSIGNMENT-7

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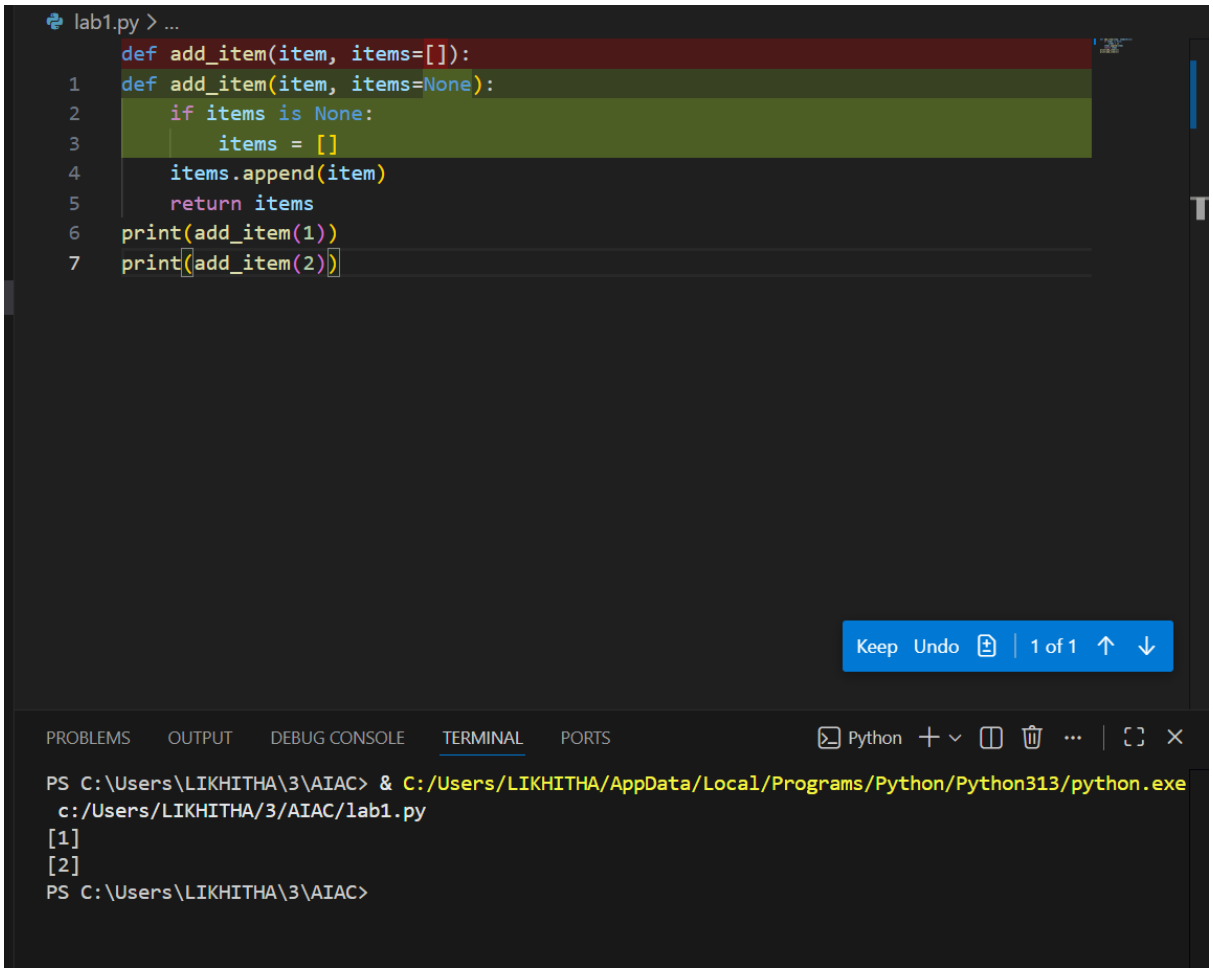
Batch: 21

Lab 7: Error Debugging with AI: Systematic approaches to finding and fixing bugs

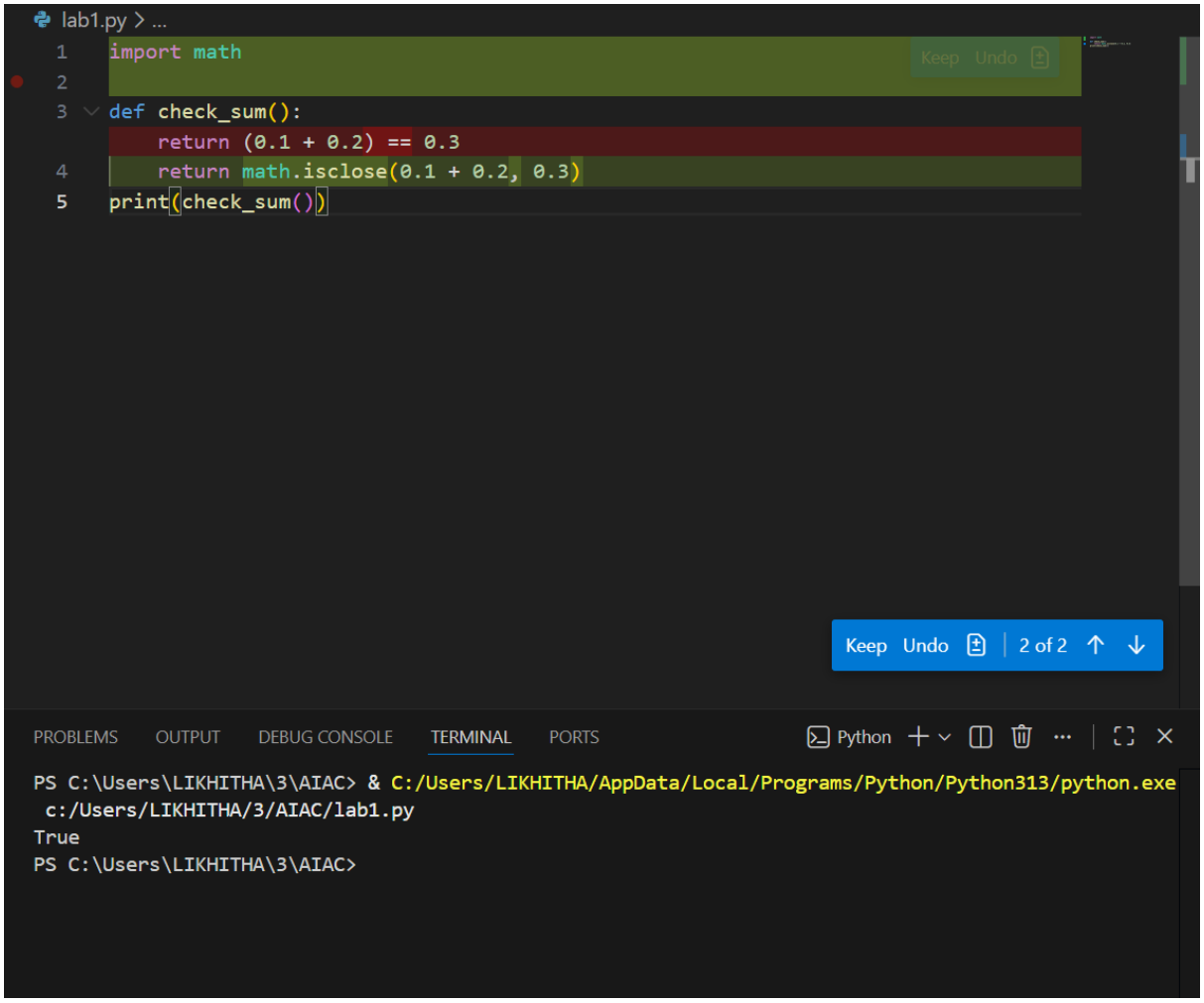
Question-1: Analyse given code where a mutable default argument causes unexpected behaviour. Use AI to fix it.

Screenshot:



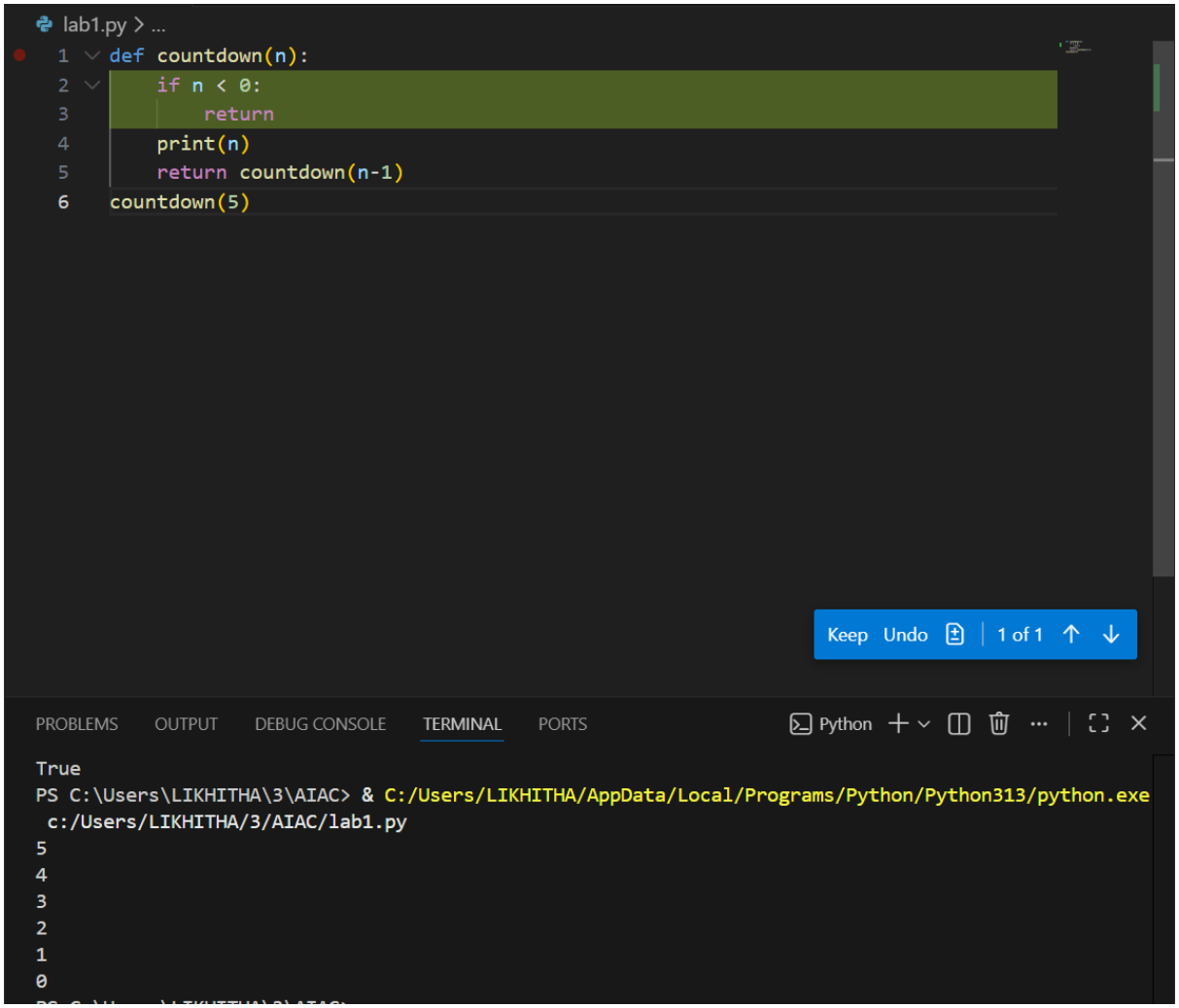
Question-2: Analyse given code where floating-point comparison fails. Use AI to correct with tolerance.

Screenshot:



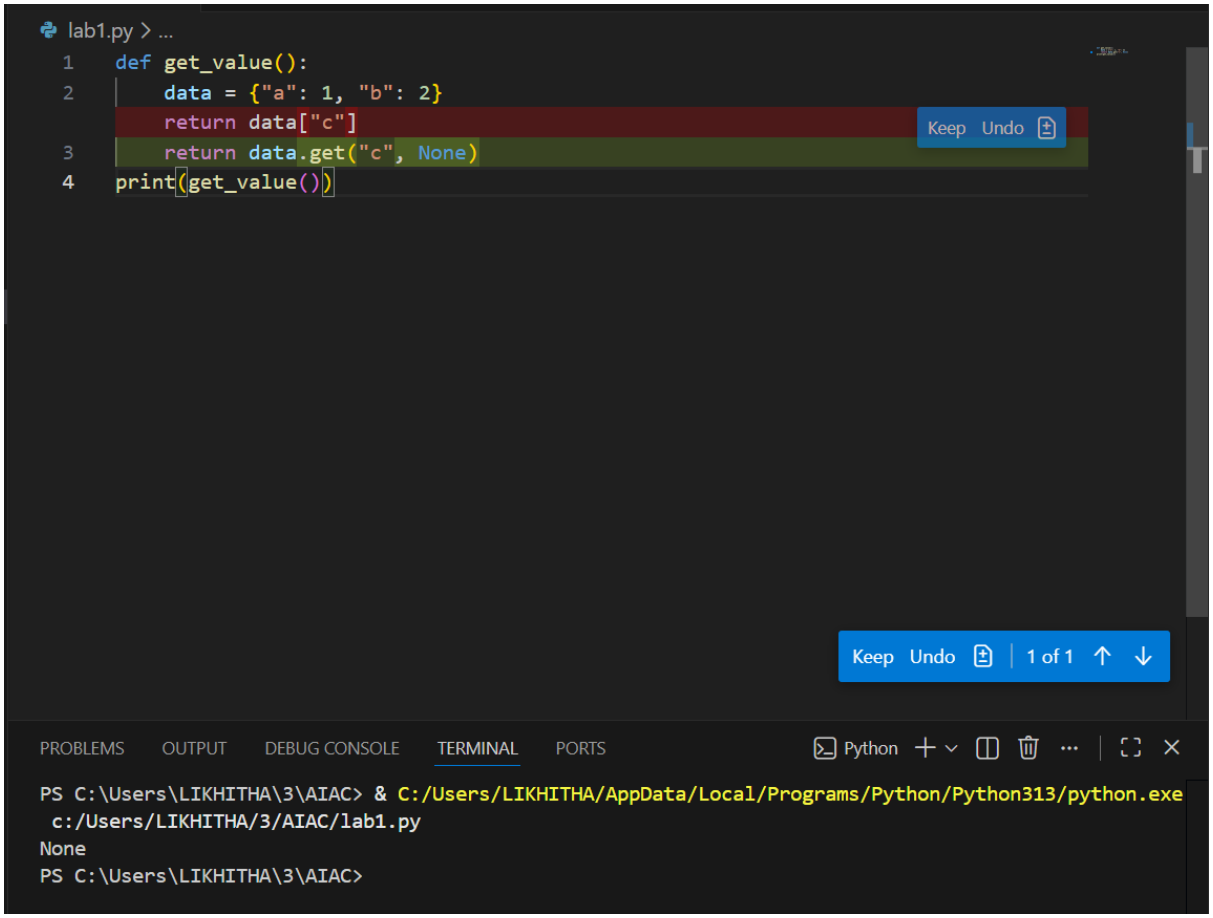
Question-3: Analyse given code where recursion runs infinitely due to missing base case. Use AI to fix. Generating using colab:

Screenshot:



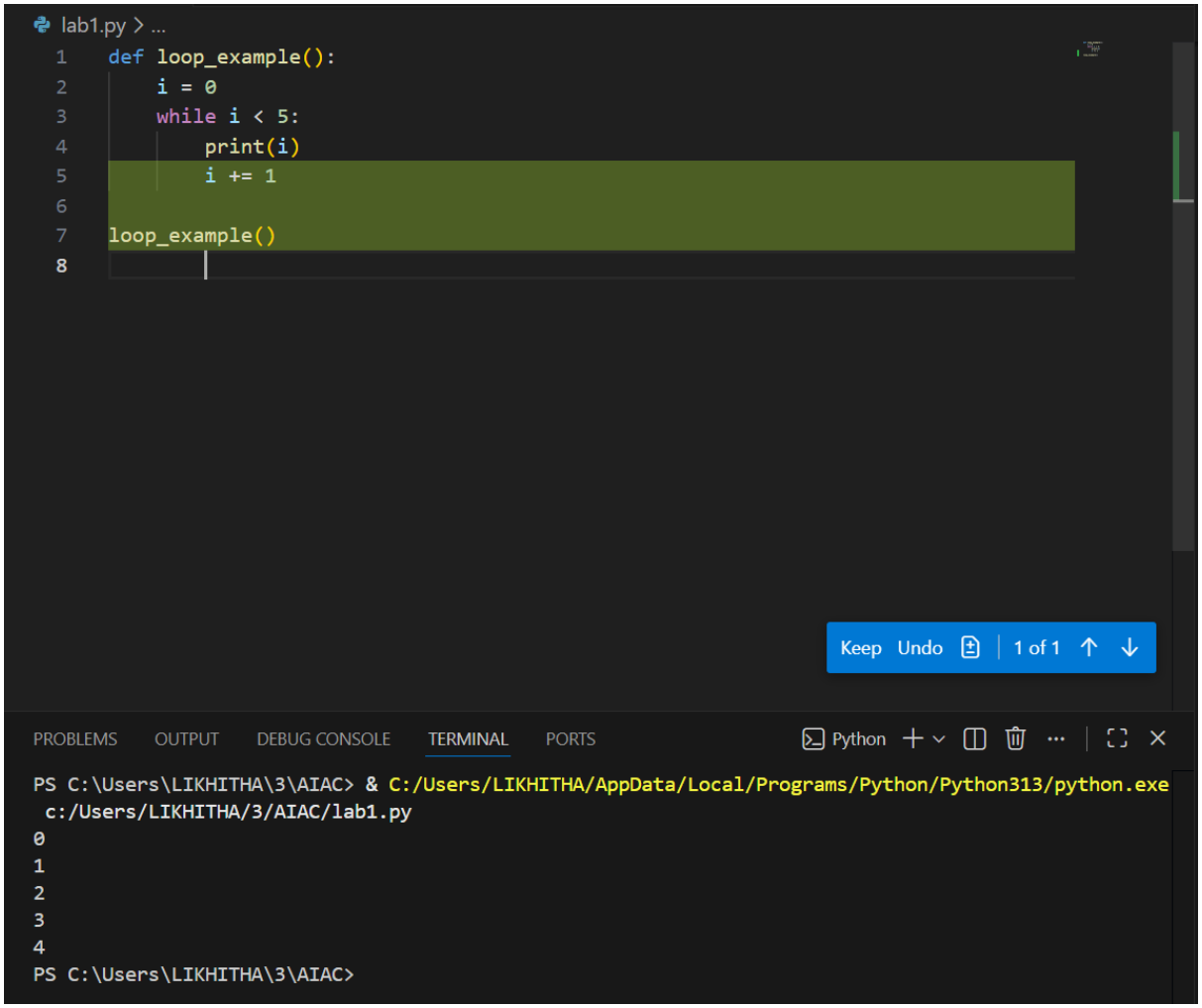
Question-4: Analyse given code where a missing dictionary key causes error. Use AI to fix it.

Screenshot:



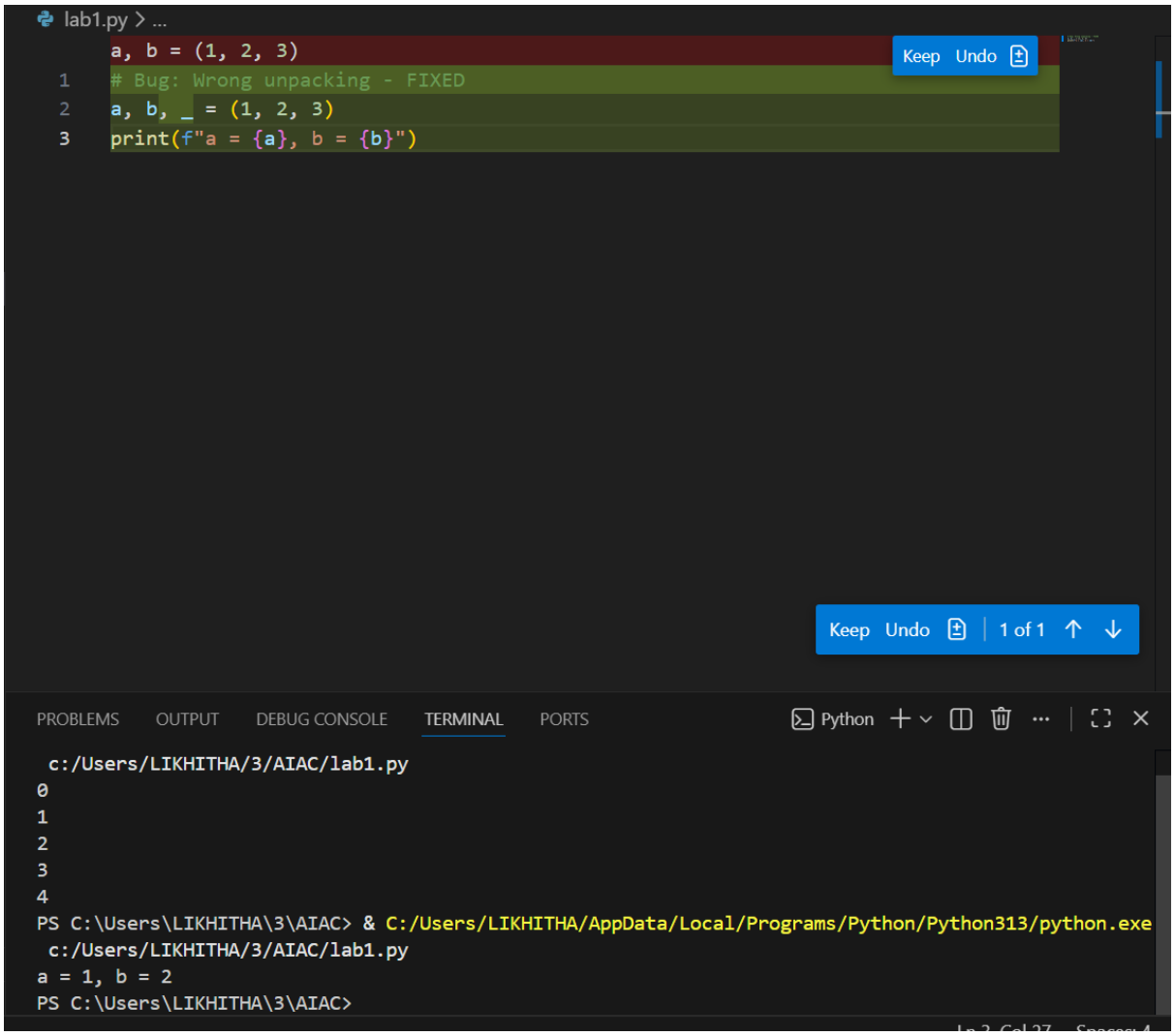
Question-5: Analyse given code where loop never ends. Use AI to detect and fix it.

Screenshot:



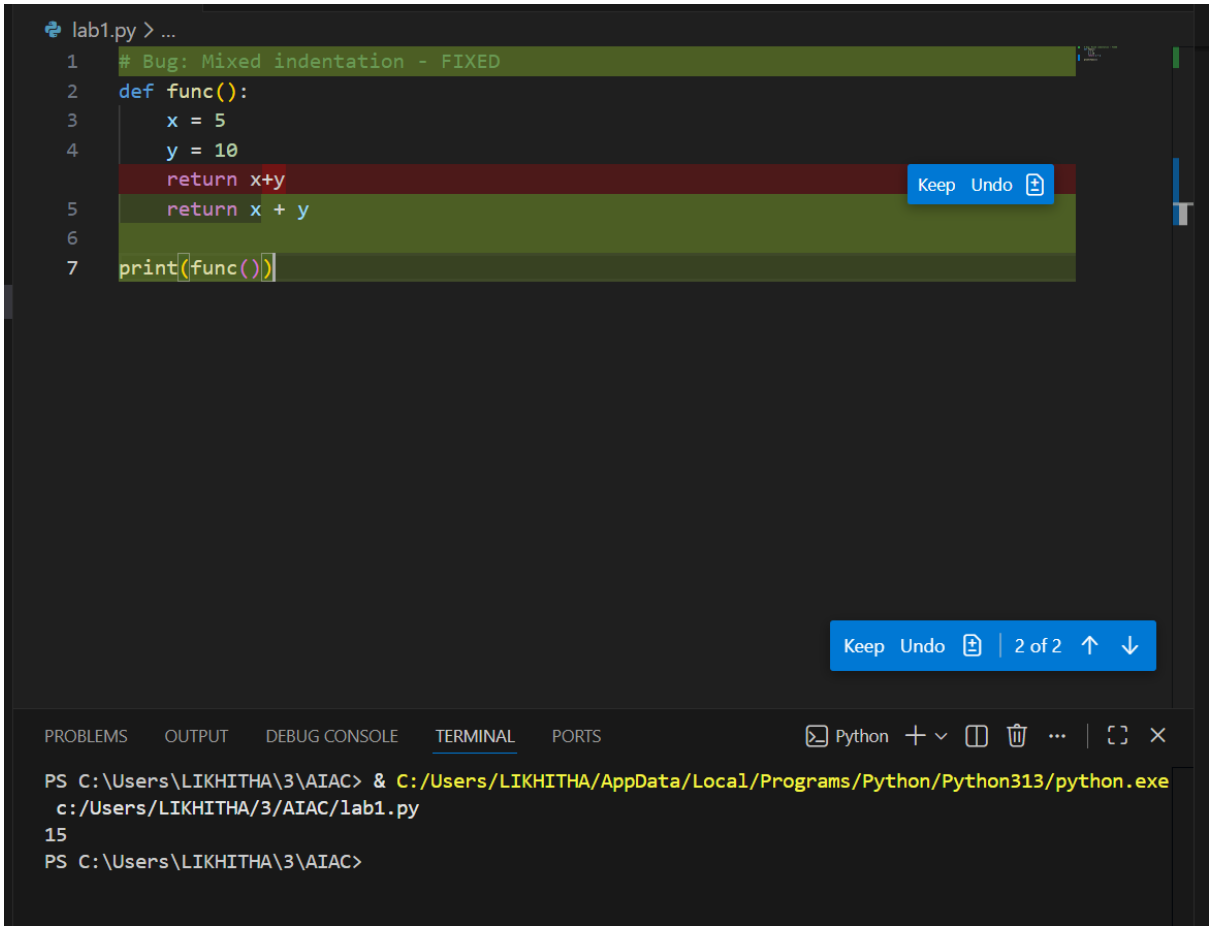
Question-6: Analyse given code where tuple unpacking fails. Use AI to fix it.

Screenshot:



Question-7: Analyse given code where mixed indentation breaks execution. Use AI to fix it.

Screenshot:



Question-8: Analyse given code with incorrect import. Use AI to fix.

Screenshot: