AI ASSISTED CODING :-

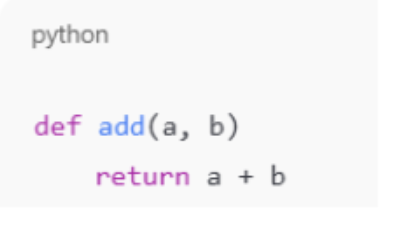
**NAME : T.karthik**

**Enroll No : 2403A54089**

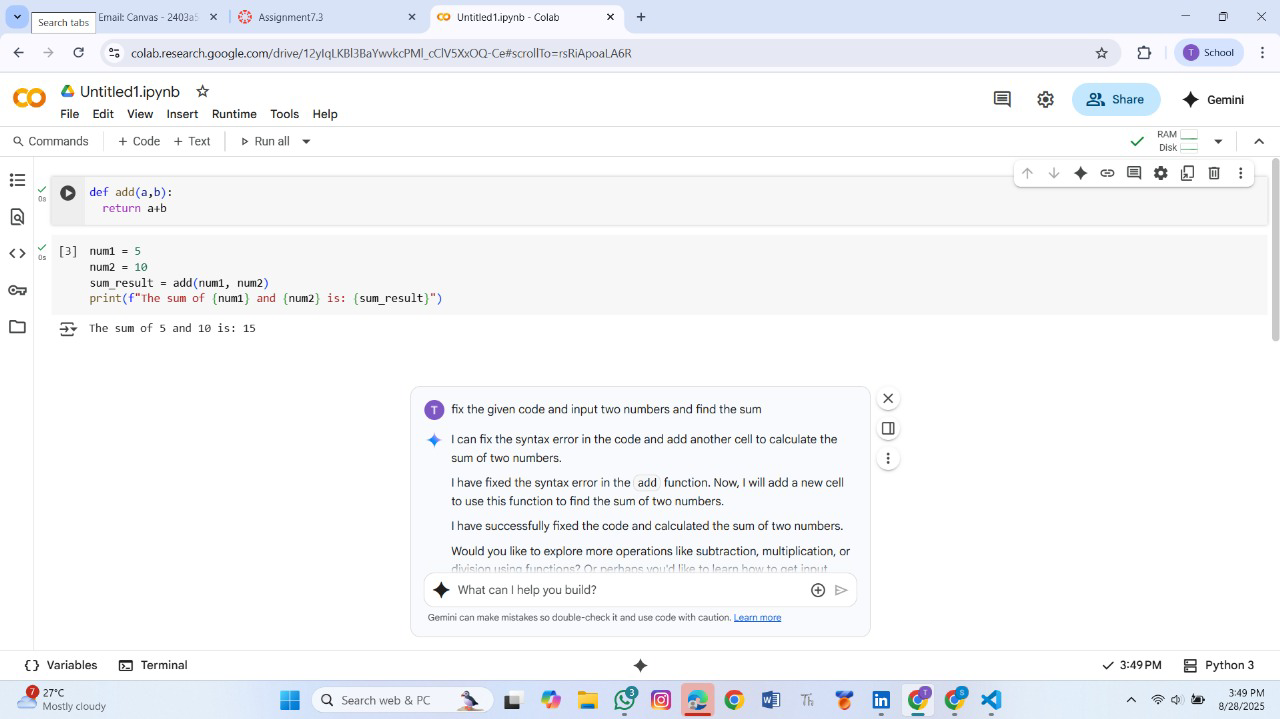
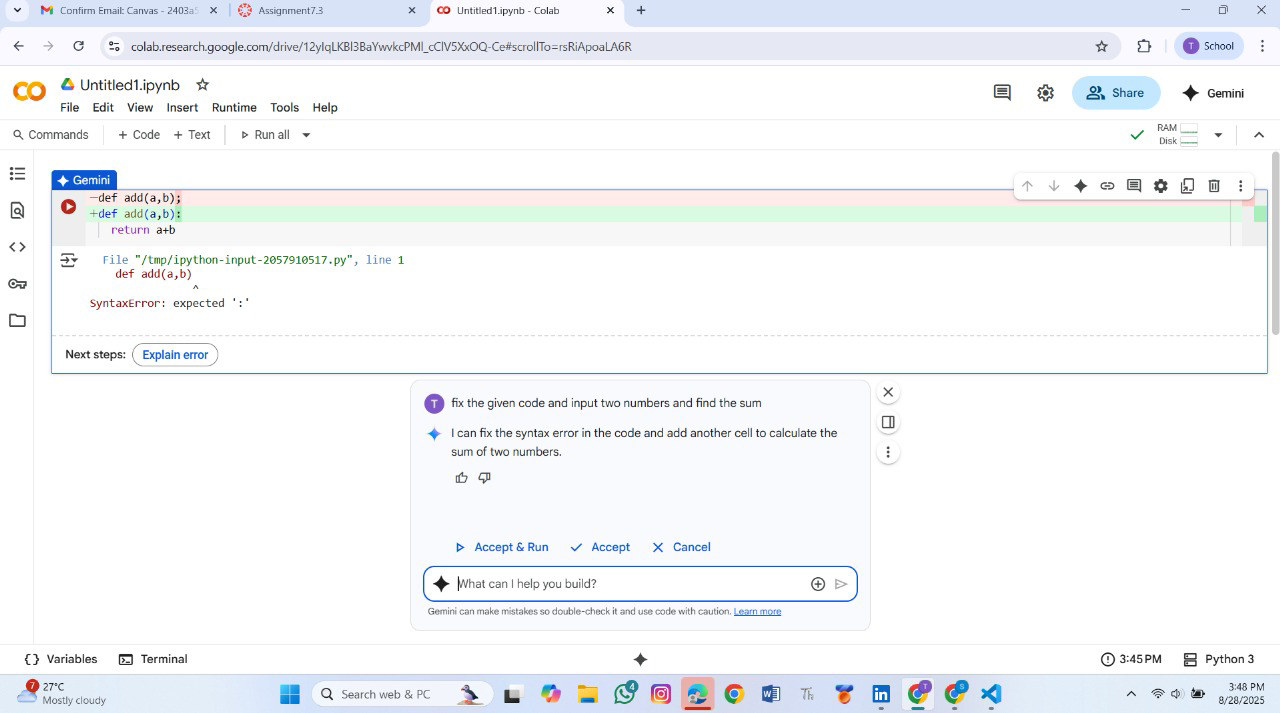
**Batch : DS – Batch : 3**

**Assignment 7.3 :**

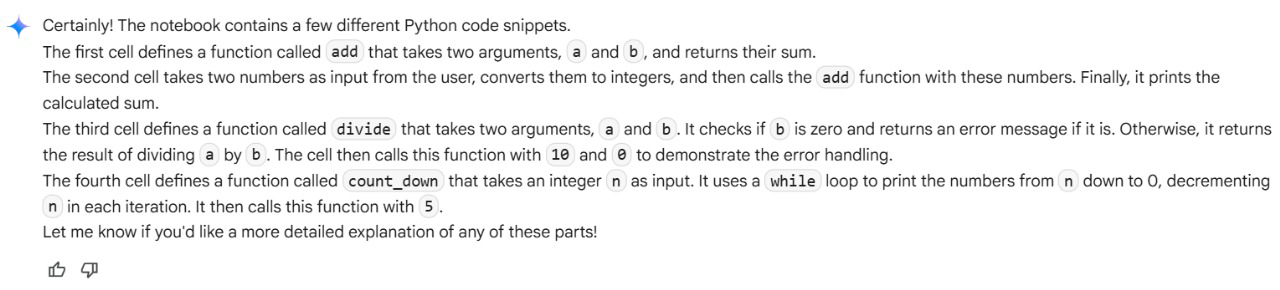
Task Description 1  
• Paste a function with a missing colon (add(a, b)), and let AI fix the syntax error.



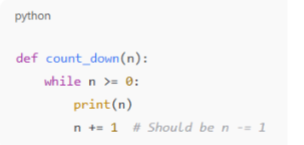
Prompt: correct the following code and input two numbers to find the sum

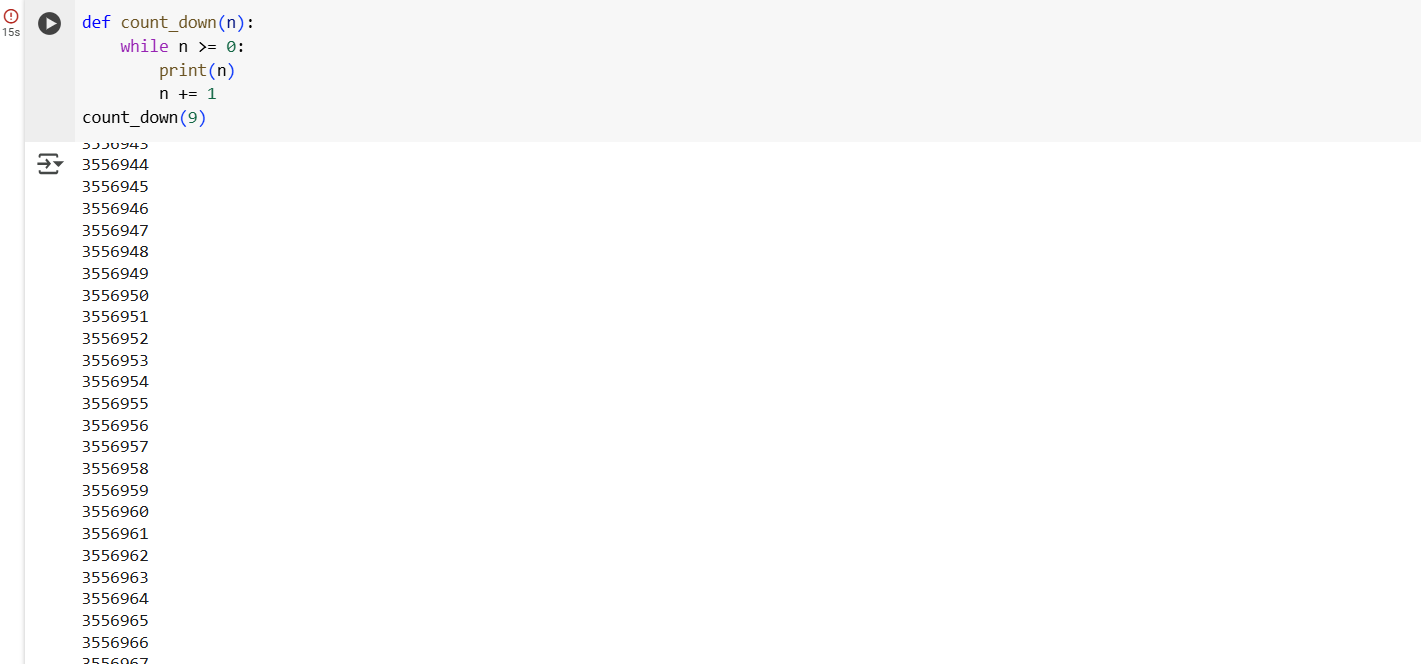


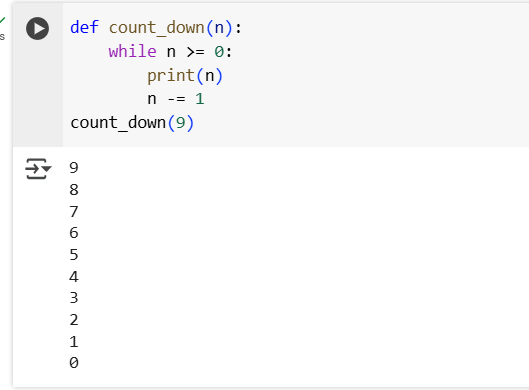
Output : Corrected function with syntax fix



Task Description#2 (Loops)  
• Identify and fix a logic error in a loop that causes infinite iteration

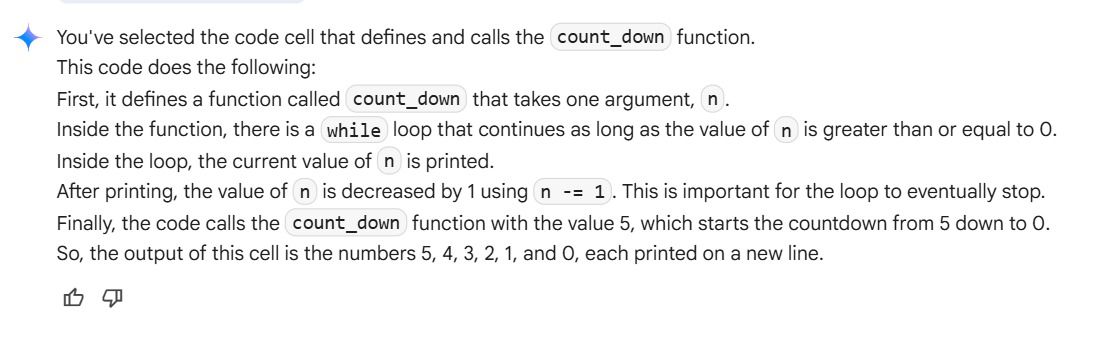


Prompt : 



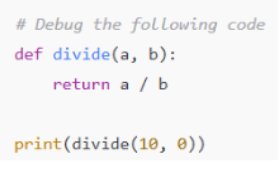
Output : AI fixes increment/decrement error

Explanation :

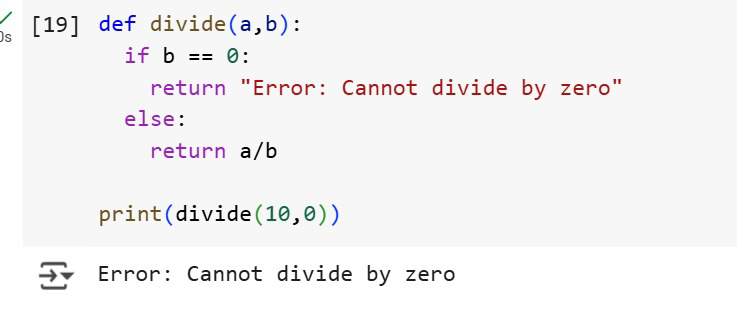


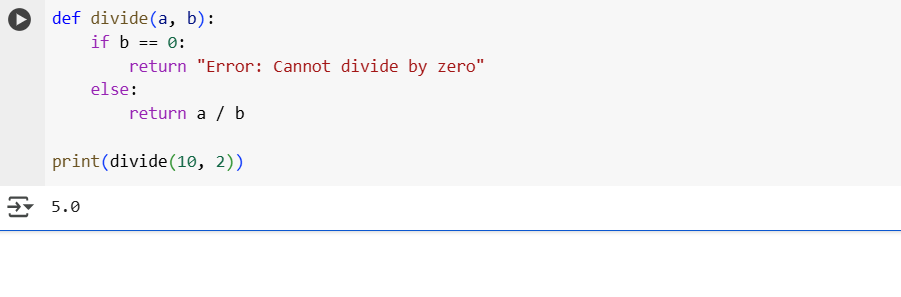
TASK 3:

Debug a runtime error caused by division by zero. Let AI insert try-except.



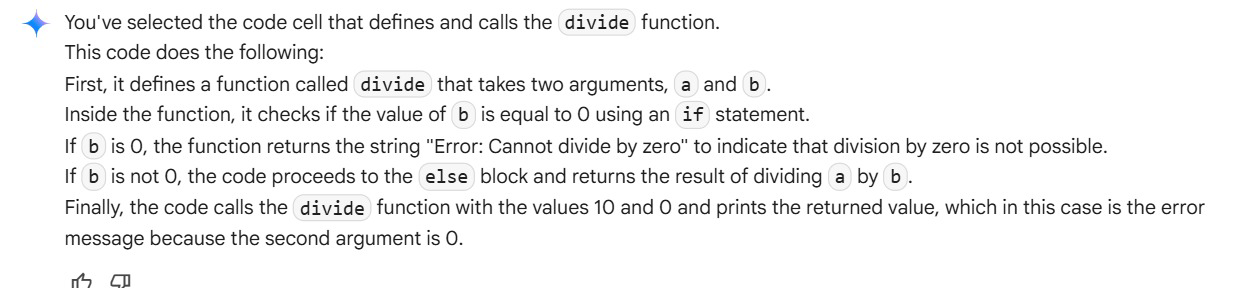
Prompt: correct the error and give the perfect input in the following code





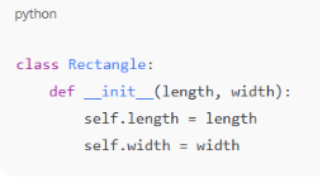
Output : Corrected function with safe error handling

Explanation :



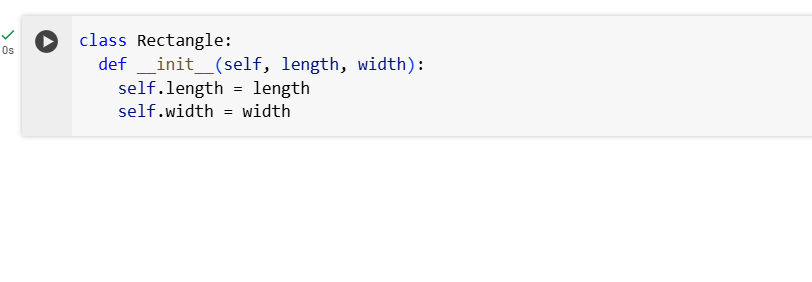
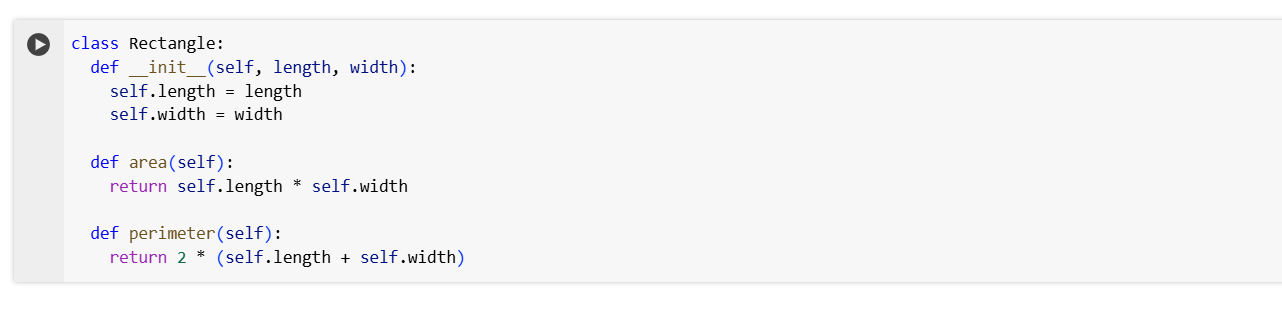
TASK 4 :

Provide a faulty class definition (missing self in parameters). Let AI fix it



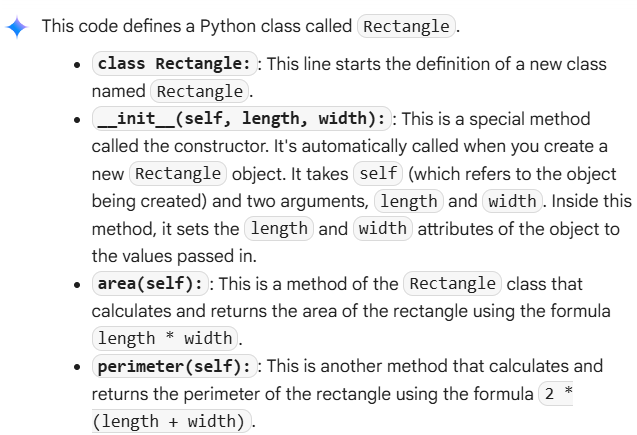
Prompt : correct the following code and give the suitable inputs

Code :

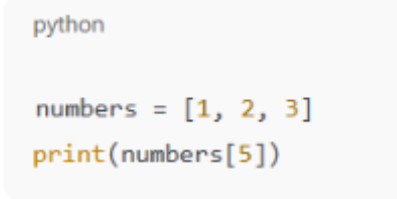
Output : Correct \_\_init\_\_() method and explanation

Explanation :

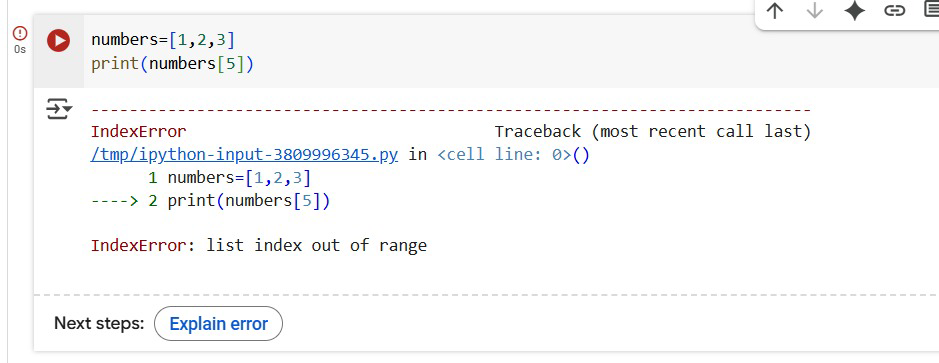


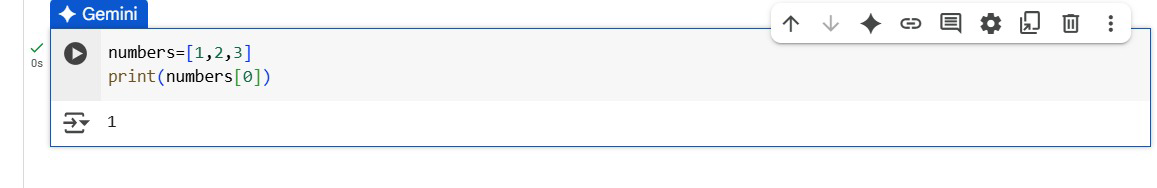
TASK 5 :

Access an invalid list index and use AI to resolve the Index Error



Prompt**:** fix the following code and explain it

Code : 



Output : AI suggests checking length or using safe access logic

Explanation :

