

AI ASSISTED CODING

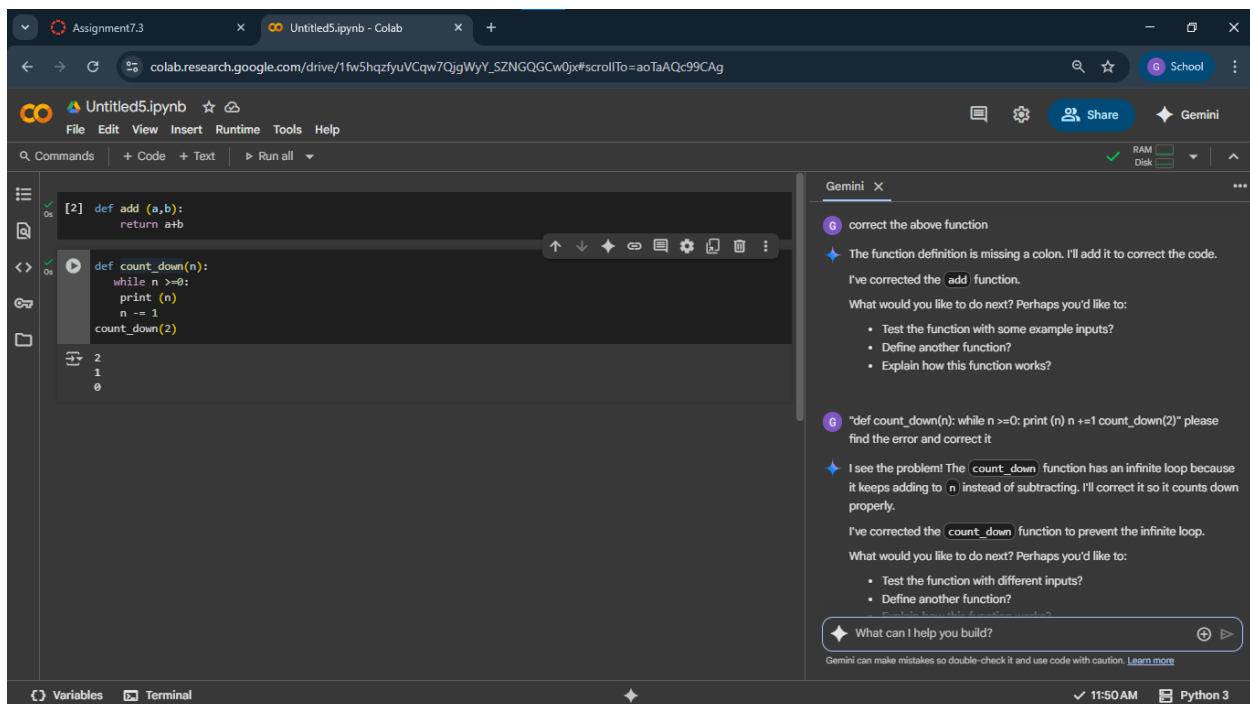
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Rollno:-2403A53003

Assignment:-7.3

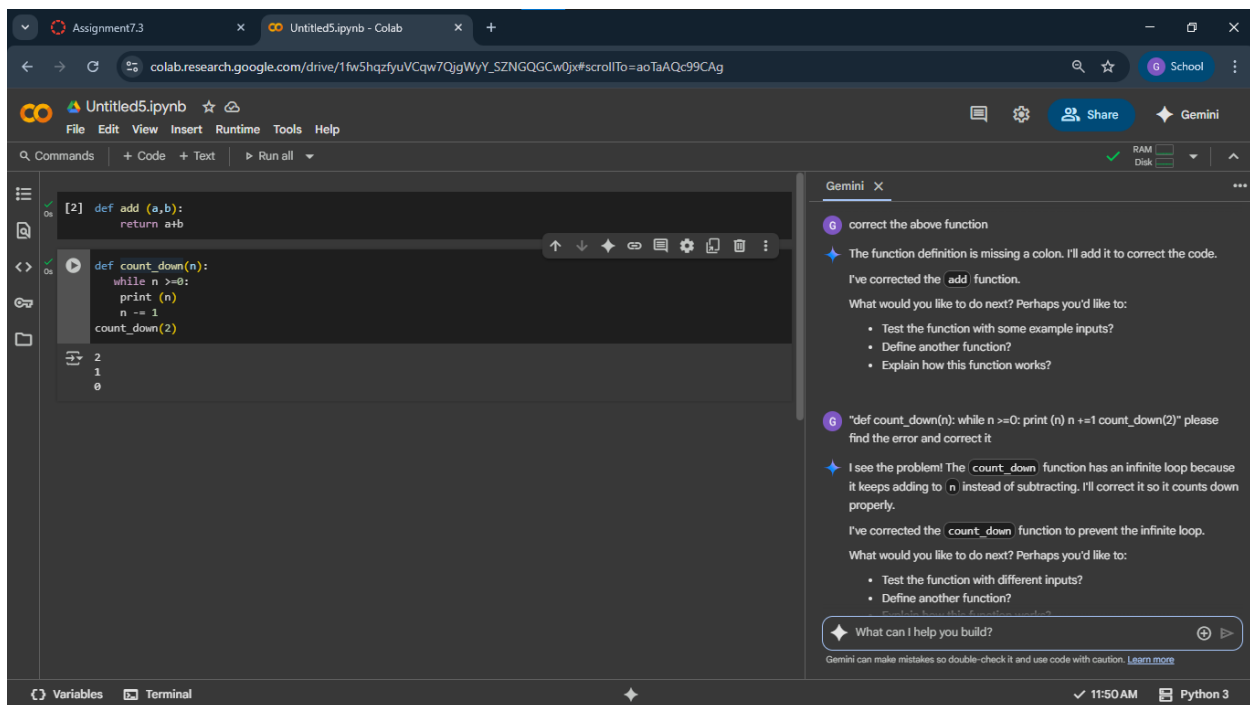
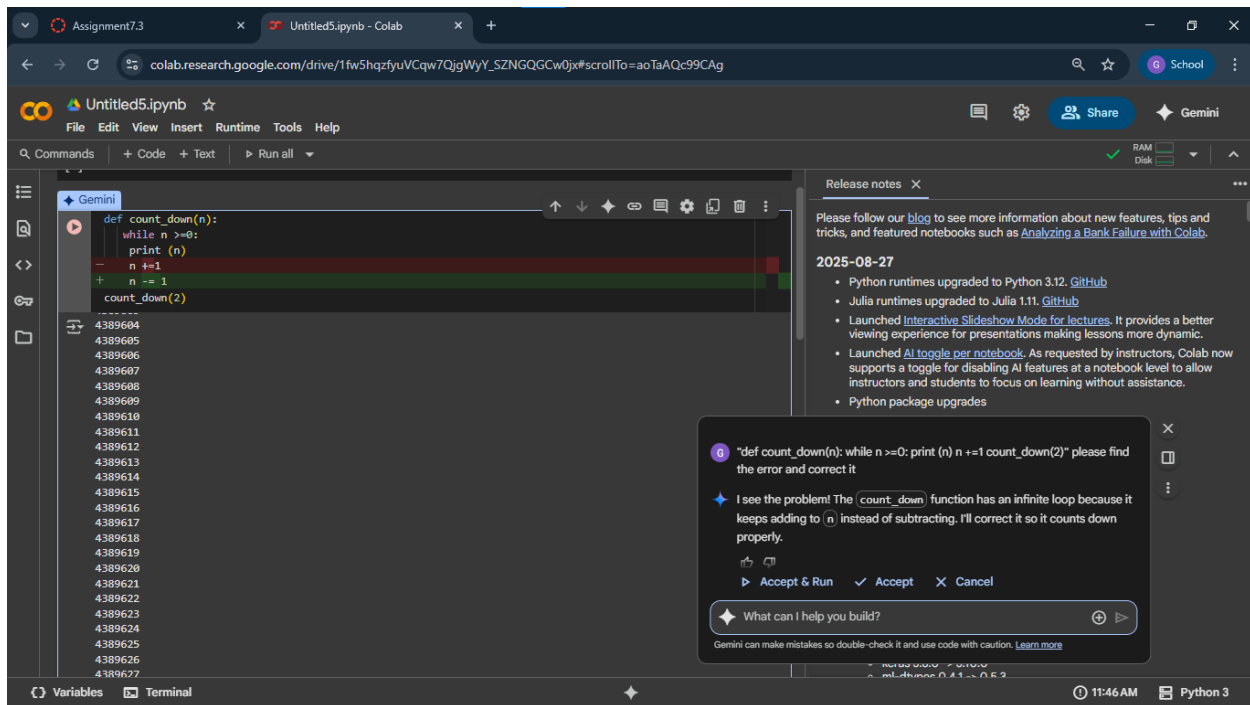
Task Description#1

- Paste a function with a missing colon (add(a, b)), and let AI fix the syntax error.



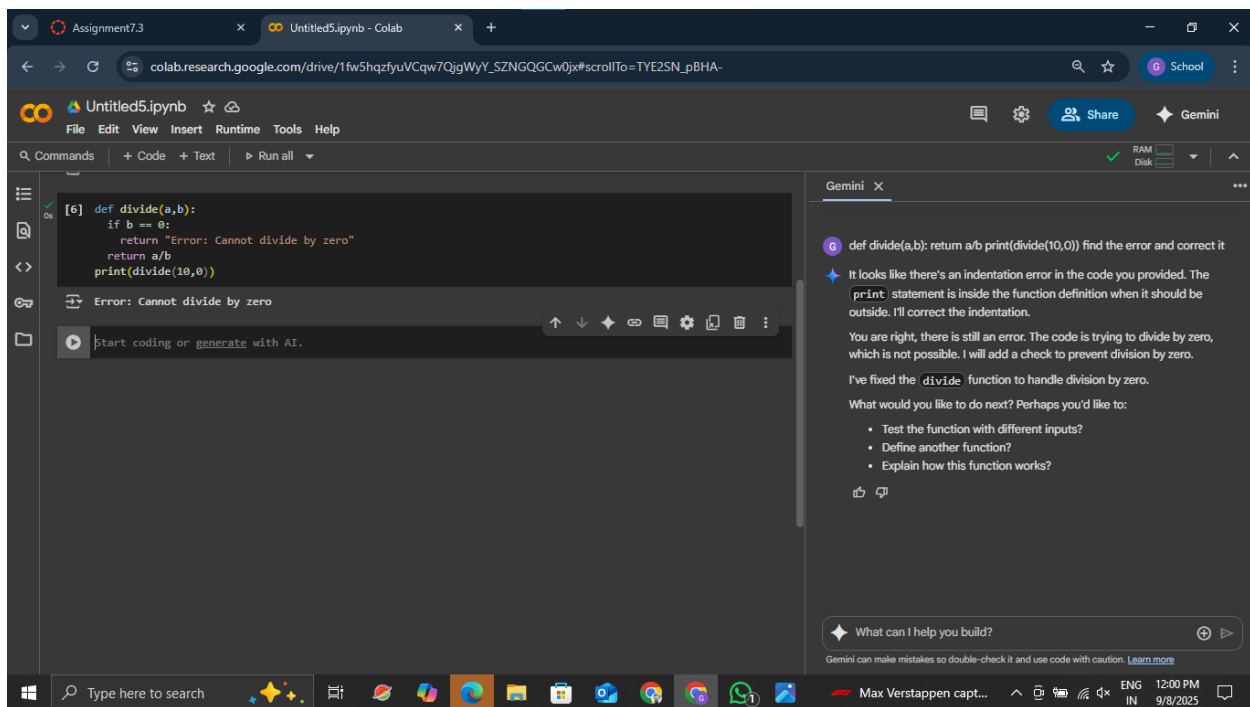
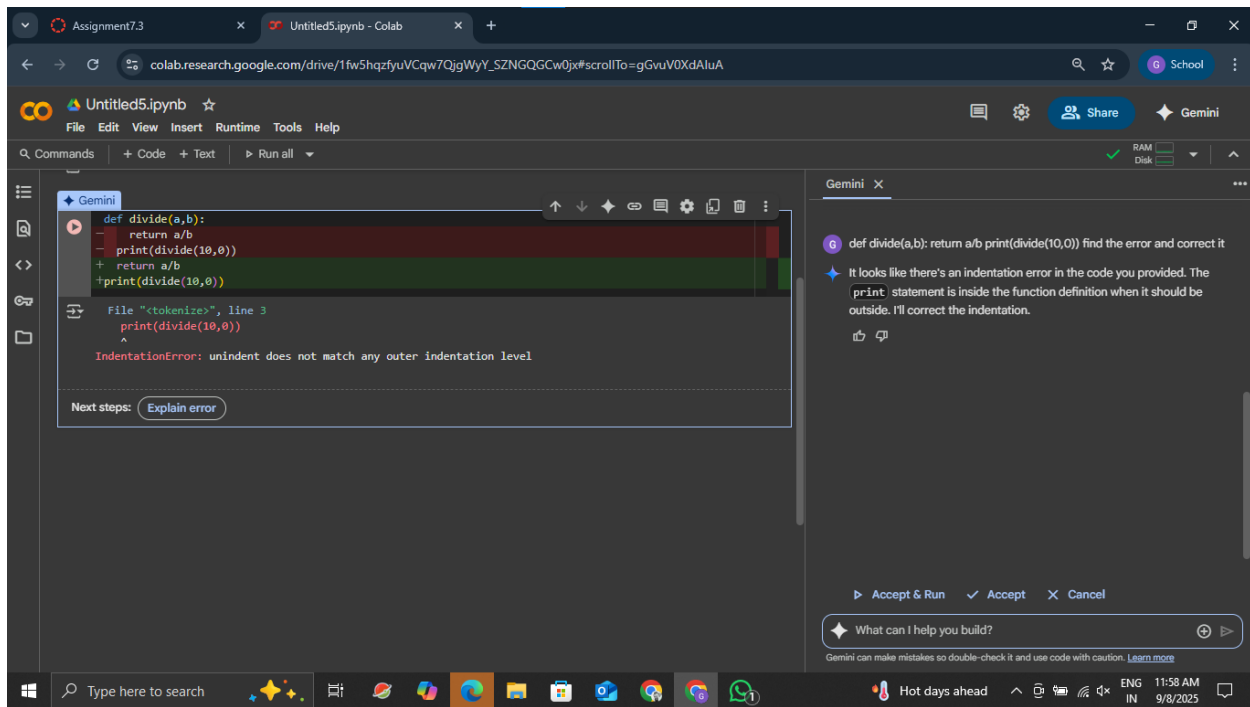
Task Description#2 (Loops)

- Identify and fix a logic error in a loop that causes infinite iteration.



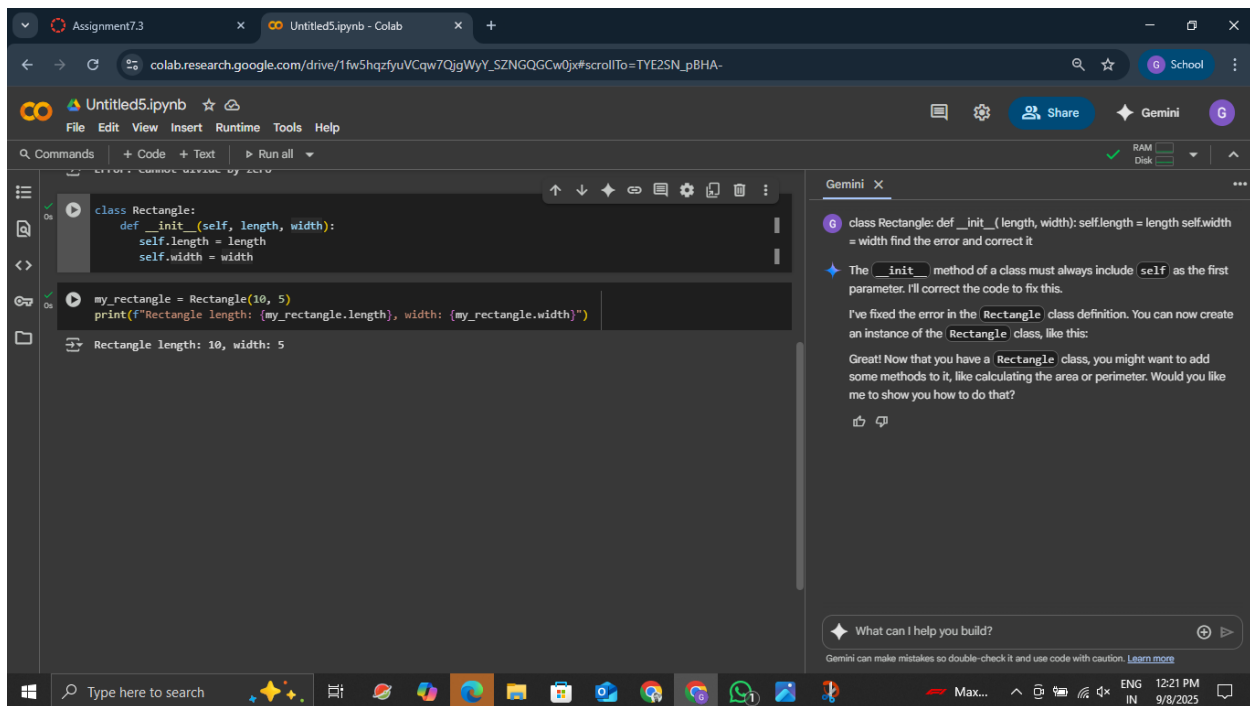
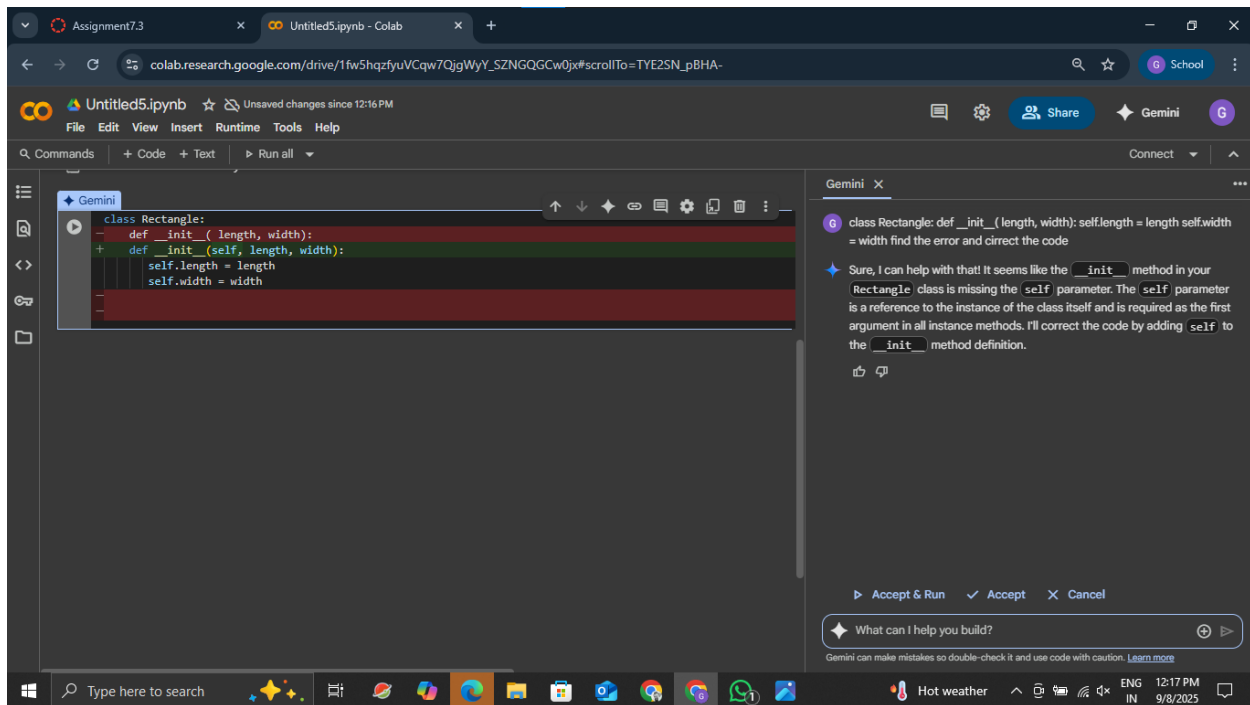
Task Description#3

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



Task Description#4

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



Task Description#5

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

Assignment7.3 x Untitled5.ipynb - Colab

colab.research.google.com/drive/1fw5hqzfyuVCqw7QjgWYy_SZNGQGCw0jx#scrollTo=9Z_taVUCGelw

Untitled5.ipynb

File Edit View Insert Runtime Tools Help

Q Commands + Code + Text ▶ Run all

Gemini

```
numbers = [1,2,3]
print(numbers[5])
print(numbers[2]) # Accessing the element at index 2
```

IndexError: list index out of range

Traceback (most recent call last)

/tmp/ipython-input-486182501.py in <cell line: 0>()
1 numbers = [1,2,3]
----> 2 print(numbers[5])

IndexError: list index out of range

Next steps: Explain error

Gemini X

numbers = [1,2,3] print(numbers[5]) find the error and correct the code

The error you are seeing is an `IndexError`. This happens because you are trying to access an element at index 5 in the list, but the list only has elements at indices 0, 1, and 2. To fix this, you need to access an index within the valid range of the list.

Accept & Run Accept Cancel

What can I help you build?

Gemini can make mistakes so double-check it and use code with caution. [Learn more](#)

Assignment7.3 x Untitled5.ipynb - Colab

colab.research.google.com/drive/1fw5hqzfyuVCqw7QjgWYy_SZNGQGCw0jx#scrollTo=9Z_taVUCGelw

Untitled5.ipynb

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Gemini

```
numbers = [1,2,3]
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3

Gemini X

numbers = [1,2,3] print(numbers[5]) find the error and correct the code

The error you are seeing is an `IndexError`. This happens because you are trying to access an element at index 5 in the list, but the list only has elements at indices 0, 1, and 2. To fix this, you need to access an index within the valid range of the list.

I have corrected the code to access a valid index in the list. Would you like to learn more about accessing list elements, such as iterating through a list or using negative indexing?

What can I help you build?

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