ASSIGNMENT:9.3_3

HTNO:2403A51284

Task Description#1 Basic Docstring Generation

- Write python function to return sum of even and odd numbers in the given list.
- Incorporate manual docstring in code with Google Style
- Use an Al-assisted tool (e.g., Copilot, Cursor AI) to generate a docstring describing the function.
- Compare the Al-generated docstring with your manually written one

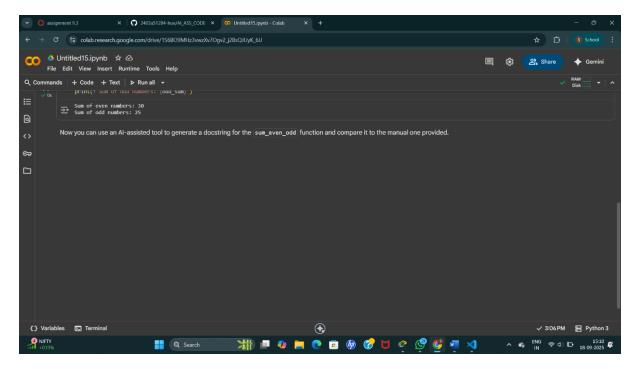
PROMPT:

Generate a Google-style docstring for the following Python function that returns the sum of even and odd numbers in a given list.

Compare the AI-generated docstring with a manually written Google-style docstring for the same function

CODE:

OUTPUT:



Task Description#2 Automatic Inline Comments

- Write python program for sru_student class with attributes like name, roll no., hostel_status and fee_update method and display_details method.
- Write comments manually for each line/code block
- Ask an AI tool to add inline comments explaining each line/step.
- Compare the Al-generated comments with your manually written one.

Expected Output#2: Students critically analyze Al-generated code comments.

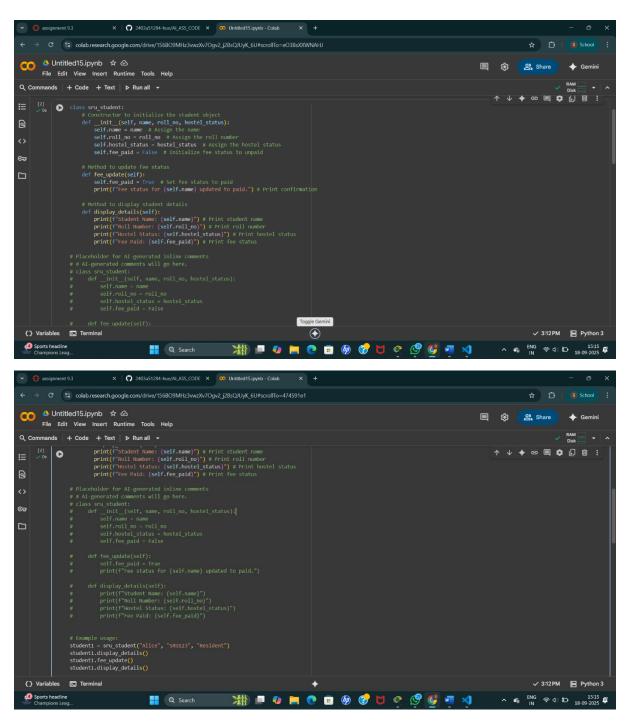
PROMPT:

Add inline comments to the following Python program for the sru_student class, explaining each line or code block.

The class includes attributes like name, roll_no, hostel_status, a fee_update method, and a display_details method.

Compare the AI-generated comments with manually written comments for accuracy and clarity.

CODE:



OUTPUT:

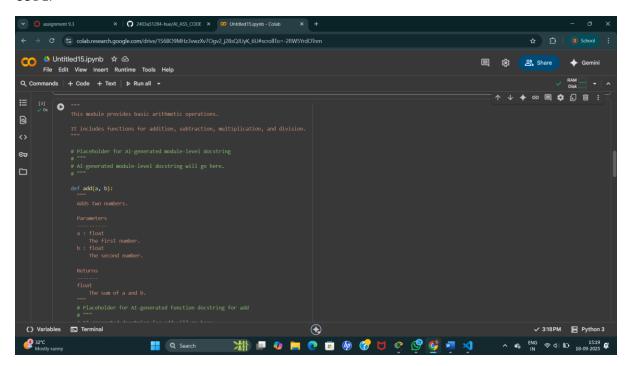
Task Description#3

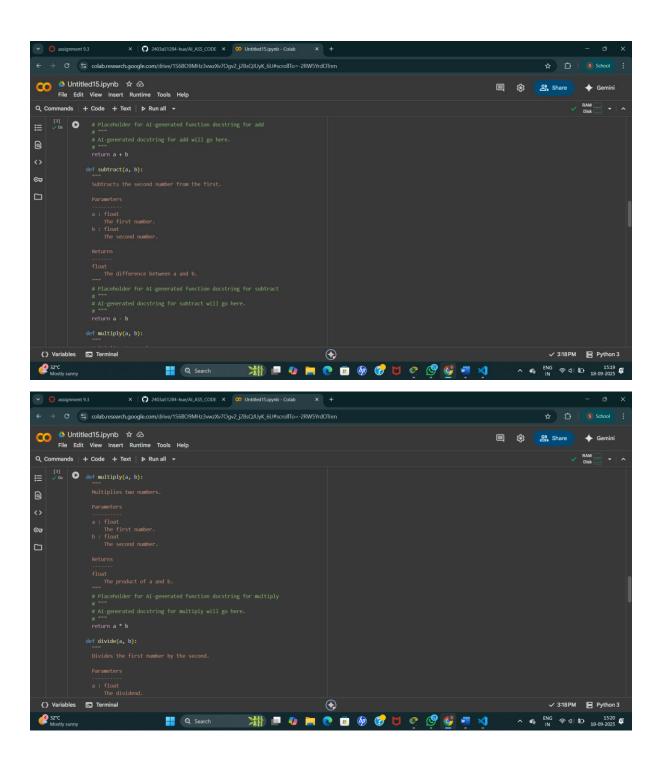
- Write a Python script with 3–4 functions (e.g., calculator: add, subtract, multiply, divide).
- Incorporate manual docstring in code with NumPy Style
- Use AI assistance to generate a module-level docstring + individual function docstrings.
- Compare the AI-generated docstring with your manually written one. Expected Output#3: Students learn structured documentation for multi-function scripts

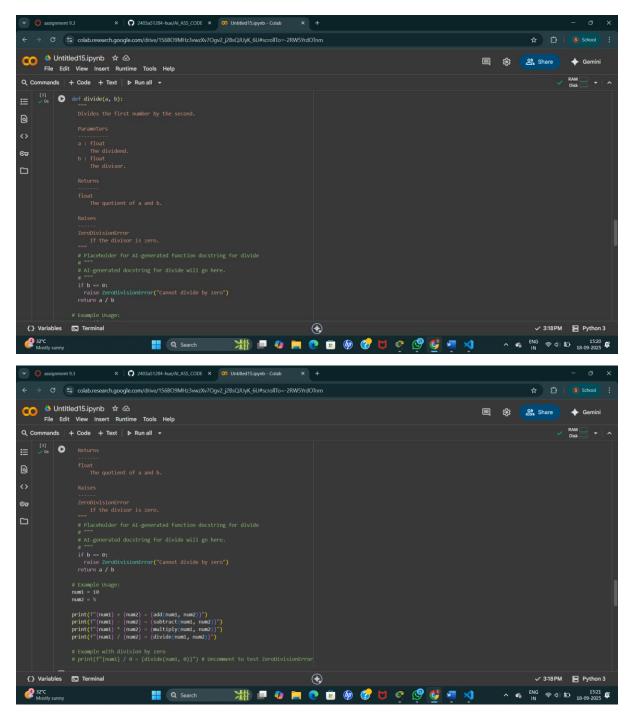
PROMPT:

Generate a module-level docstring and individual function docstrings in NumPy style for the following Python script containing calculator functions (add, subtract, multiply, divide). Compare the AI-generated docstrings with manually written NumPy-style docstrings for accuracy, structure, and completeness.

CODE:







OUTPUT:

