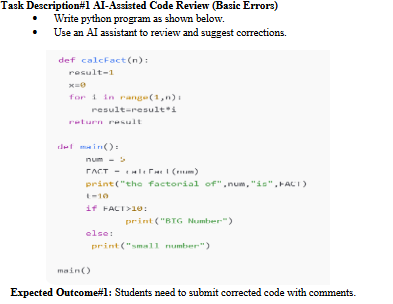
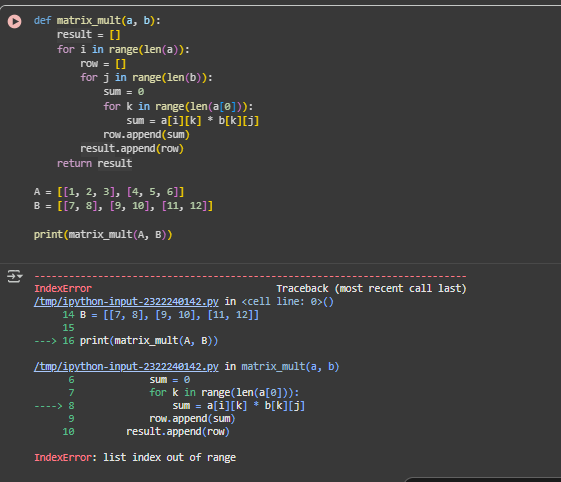
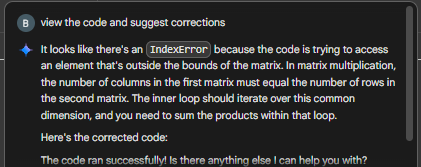
**ASSIGNMENT-10.2**

**Name:**B.Divija **h.no:**2403A51302

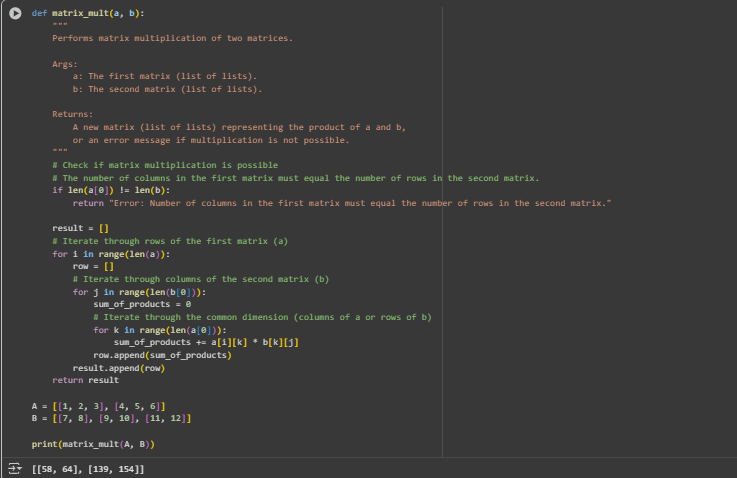
**Batch:**13

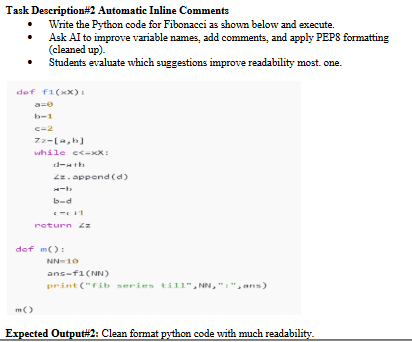


**Prompt:** 

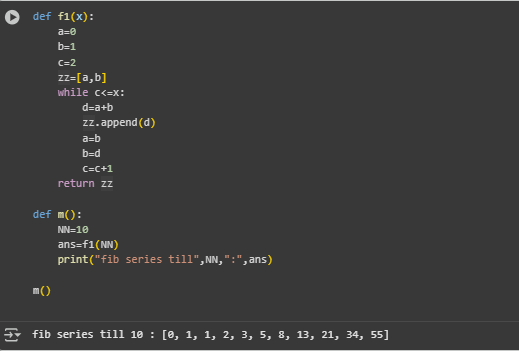


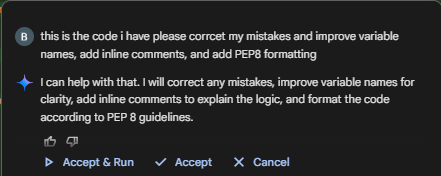
**Code:**



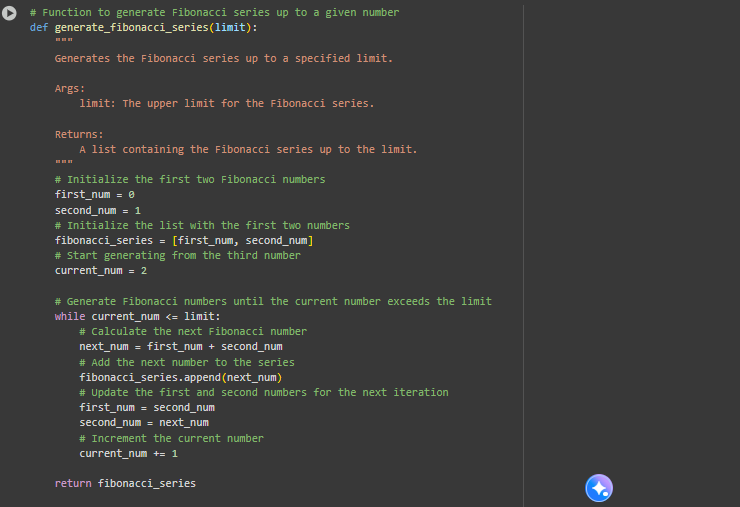


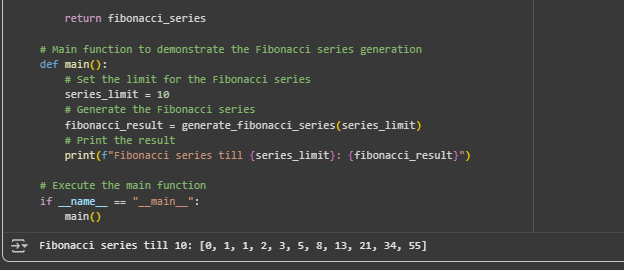
**Prompt:**

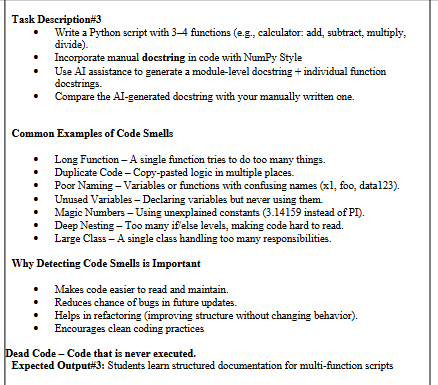




**Code:**







**Prompt:** Generate module-level and individual function docstrings in NumPy style for the following Python script. I've already written manual docstrings, so I'd like to compare them with AI-generated ones. Keep them concise but clear, and follow NumPy documentation standards.

**Code:**

