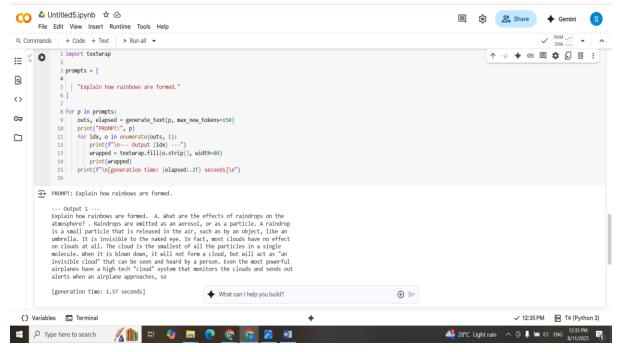
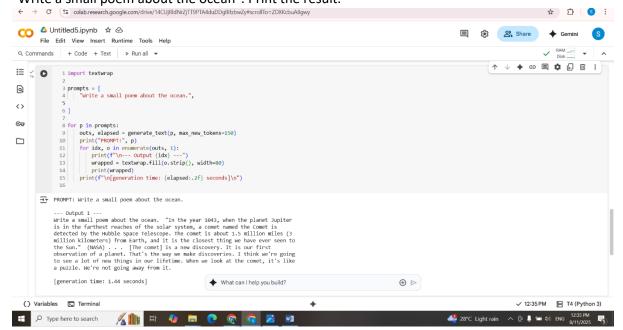
## Assignment from Session 3 and session 4 (Basics of Gen AI and Basics of RAG)

1. Write a Python script to send a prompt "Explain how rainbows are formed" using OpenAI's GPT-3.5 Turbo or Hugging Face Transformers and print the response.

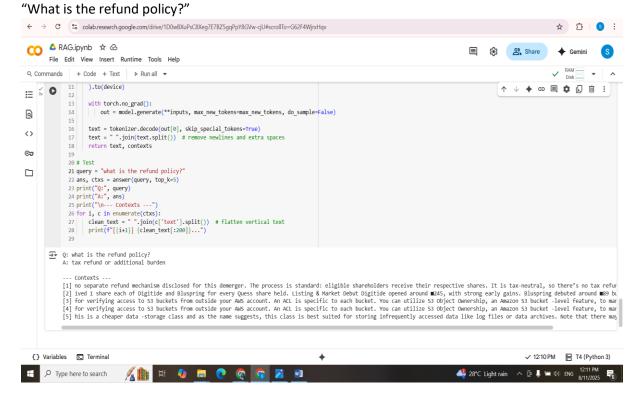


2. Use the transformers library from Hugging Face to load a model and generate text from a prompt:

"Write a small poem about the ocean". Print the result.



3. Using  ${\tt RetrievalQA}$  , create a pipeline that can answer the question:



4. Load a .txt or .pdf file using LangChain's TextLoader and split it using RecursiveCharacterTextSplitter. Print the total number of document chunks created.

