

1. Approach to the Problem and Code Deliverables:

For this task, I'll create a terminal-based chatbot using RAG (Retrieval-Augmented Generation) to answer questions based on the provided FAQ data from NAVER Smart Store. I'll implement the chatbot in Python, utilizing libraries such as pandas for data manipulation and Hugging Face's Transformers library for RAG.

The main steps of the approach are as follows:

Data Preprocessing: Load the provided FAQ data from the CSV file and preprocess it for efficient retrieval during conversations.

Model Setup: Initialize the RAG model and fine-tune it on the FAQ data to enhance relevance and accuracy in answering questions.

Chatbot Interface: Implement a terminal-based interface where users can interact with the chatbot, asking questions related to the Smart Store FAQs.

Context Management: Save conversation history and utilize it to provide more relevant answers based on the context of the conversation.

To execute the code:

- Clone or download the code from the GitHub repository.
- Run the `coxwave.py` script.
- Interact with the chatbot by typing questions related to NAVER Smart Store FAQs in the terminal.