Step to setup rag QA system

Step 1: download ollama from the website link given below

<https://ollama.com/>

Step 2: First create a virtual env and activate it

Command to create virtual env: python -m venv mywork

Command to activate virtual env: mywork\Scripts\activate

TIP: Here mywork is virtualenv name you can replace it with your desire name and then install the required packages or requirement file.

Step 3: pull the required model

Command to pull the model from cmd: ollama pull mistral

(Hint:here we have use mistral model so we are pulling the mistral model you can use and pull any model from the ollama models)

Step 4: pull the embedding model

Command to pull the model from cmd: ollama pull nomic-embed-text

Step 5: run the file populate\_database in cmd

Command to run the file: python populate\_database.py

------------run the file from this step if you have added all files into data folder and not inserted any new file (if adding new file repeat step 5)-------------------------------------------------

Step 6: run the file query\_data and add question after that.

Command to run the file: python query\_data.py “what is the rule to play monopoly game”

(Hint: In the quoted part “….” You can ask any question from your data pdf)

Additional step:

To add the data or pdf you have to just add the pdf file in the data folder and then again repeat step4 each any every time when you add or delete a pdf file into your data folder

or

just at once add all the file and repeate step4

for large data it will take much time to retrieve answer .