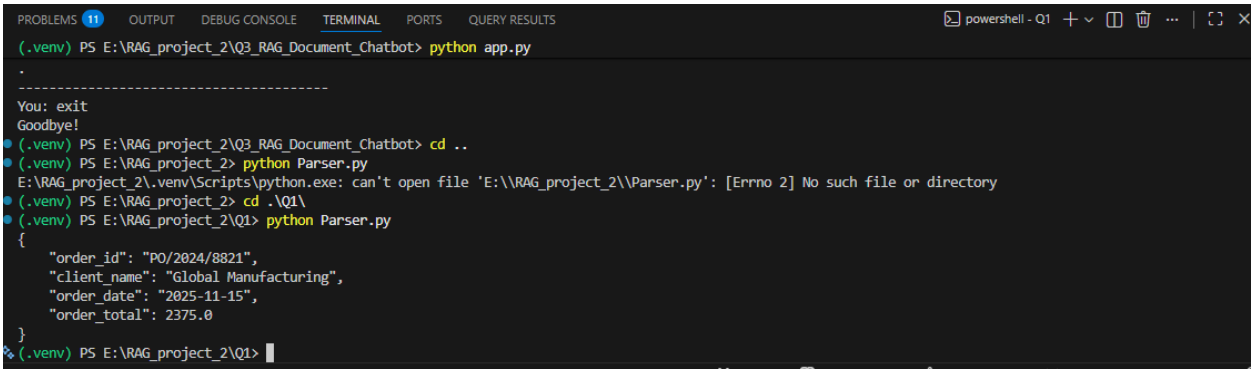
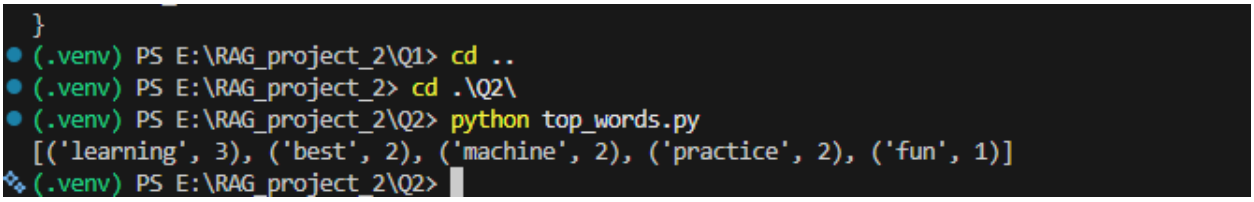
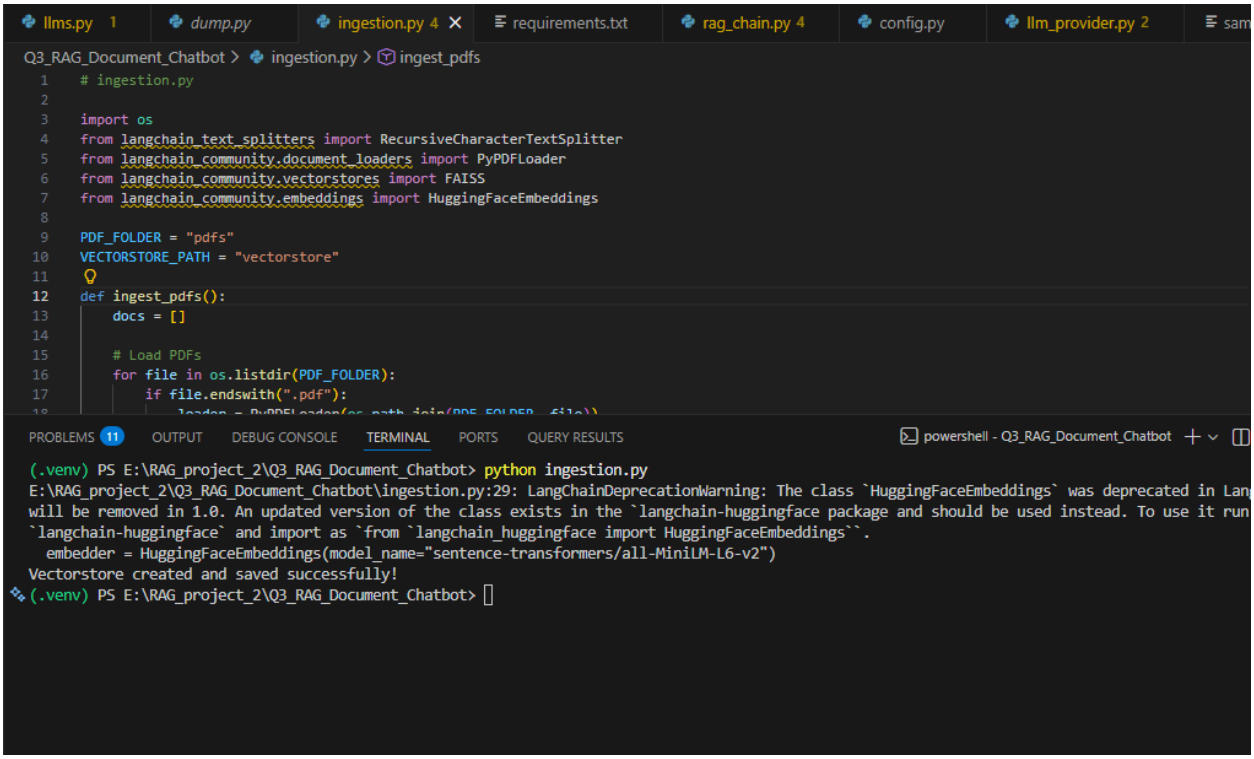
Q1 Output (Parse.py)

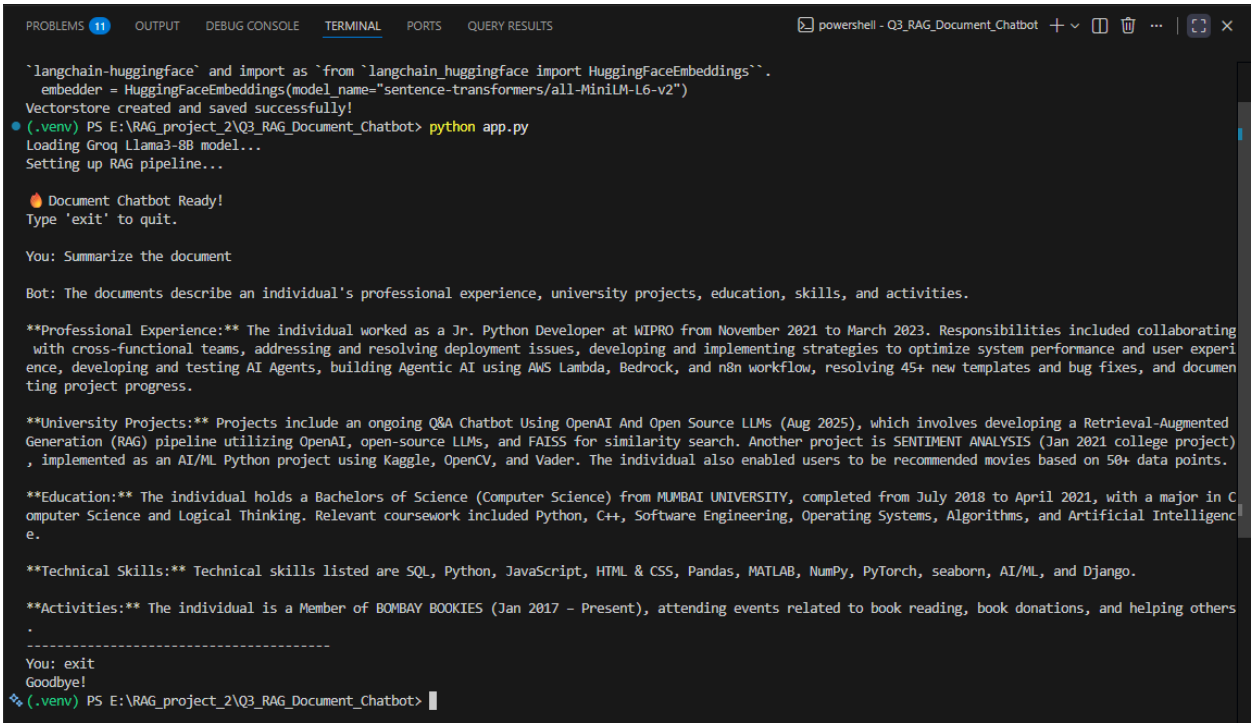


Q2 Output (top_words.py)



Q3 Output : Vectorstore created and Successfully and run app.py




PROBLEMS 11
OUTPUT
DEBUG CONSOLE
TERMINAL
PORTS
QUERY RESULTS
powershell - Q3_RAG_Document_Chatbot
`langchain-huggingface` and import as `from `langchain_huggingface import HuggingFaceEmbeddings``.
embedder = HuggingFaceEmbeddings(model_name="sentence-transformers/all-MiniLM-L6-v2")
Vectorstore created and saved successfully!
(.venv) PS E:\RAG_project_2\Q3_RAG_Document_Chatbot> python app.py
Loading Groq Llama3-8B model...
Setting up RAG pipeline...
Document Chatbot Ready!
Type 'exit' to quit.
You: Summarize the document
Bot: The documents describe an individual's professional experience, university projects, education, skills, and activities.
Professional Experience: The individual worked as a Jr. Python Developer at WIPRO from November 2021 to March 2023. Responsibilities included collaborating with cross-functional teams, addressing and resolving deployment issues, developing and implementing strategies to optimize system performance and user experience, developing and testing AI Agents, building Agentic AI using AWS Lambda, Bedrock, and n8n workflow, resolving 45+ new templates and bug fixes, and documenting project progress.
University Projects: Projects include an ongoing Q&A Chatbot Using OpenAI And Open Source LLMs (Aug 2025), which involves developing a Retrieval-Augmented Generation (RAG) pipeline utilizing OpenAI, open-source LLMs, and FAISS for similarity search. Another project is SENTIMENT ANALYSIS (Jan 2021 college project), implemented as an AI/ML Python project using Kaggle, OpenCV, and Vader. The individual also enabled users to be recommended movies based on 50+ data points.
Education: The individual holds a Bachelors of Science (Computer Science) from MUMBAI UNIVERSITY, completed from July 2018 to April 2021, with a major in Computer Science and Logical Thinking. Relevant coursework included Python, C++, Software Engineering, Operating Systems, Algorithms, and Artificial Intelligence.
Technical Skills: Technical skills listed are SQL, Python, JavaScript, HTML & CSS, Pandas, MATLAB, NumPy, PyTorch, seaborn, AI/ML, and Django.
Activities: The individual is a Member of BOMBAY BOOKIES (Jan 2017 – Present), attending events related to book reading, book donations, and helping others.

You: exit
Goodbye!
(.venv) PS E:\RAG_project_2\Q3_RAG_Document_Chatbot>