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In [1]: import os
from dotenv import load_dotenv
from langchain.chat_models import ChatOpenAI
from langchain.prompts import PromptTemplate
from langchain.chains import LLMChain

# 🔑 Load API key
load_dotenv(dotenv_path=".env")
openai_api_key = os.getenv("OPENAI_API_KEY")

# ♦ Initialize LLM
llm = ChatOpenAI(model="gpt-3.5-turbo", temperature=0)

# ♦ Create Prompt Template
prompt = PromptTemplate.from_template("Answer clearly: {question}")

# ♦ Create LLMChain
qa_chain = LLMChain(llm=llm, prompt=prompt)

# 🚀 Run a query
query = "What is LangGraph in LangChain?"
response = qa_chain.run({"question": query})

# 🖨 Output
print("\nUser Question:", query)
print("\nLLM Answer:", response)
```

User Question: What is LangGraph in LangChain?

LLM Answer: LangGraph in LangChain is a graph database that stores and manages language data, including words, phrases, and their relationships. It is used to facilitate natural language processing and understanding within the LangChain platform.

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