

Prompt templates and chaining

In this exercise, you'll begin using two of the core components in LangChain: **prompt templates** and **chains**!

The classes necessary for completing this exercise, including ChatOpenAI, have been pre-loaded for you.

Instructions

100 XP

- Convert the template text provided into a standard (non-chat) prompt template.
- Create a chain to pass the prompt template into the LLM.
- Invoke the chain on the question variable provided.

script.py

```
# Create a prompt template from the template string
template = "You are an artificial intelligence assistant, answer the question. {question}"

prompt = PromptTemplate.from_template(
    template=template
)

llm = ChatOpenAI(model="gpt-4o-mini", api_key='<OPENAI_API_TOKEN>')

# Create a chain to integrate the prompt template and LLM
llm_chain = prompt | llm

# Invoke the chain on the question
question = "How does LangChain make LLM application development easier?"

print(llm_chain.invoke({"question": question}))
```