OpenAI models in LangChain!

OpenAI's GPT-series models are some of the highest performing LLMs around. They are available via OpenAI's API, which you can easily interact with using LangChain.

Normally, using OpenAI's models would require a personal API key used for billing the cost of the models. In this course, **you do not need to create or provide an OpenAI API key.** The "<OPENAI_API_TOKEN>" placeholder will send valid requests to the API. If you make large number of requests in a short period, you may encounter a RateLimitError. If you see this, please pause for a moment and try again.

The ChatOpenAI class has already been imported.

Instructions

100 XP

- Define an OpenAI chat model using a LangChain class; leave the API key placeholder as it is.

- Invoke the LLM you defined to respond to the prompt provided (feel free to experiment with other prompts here).

script.py

```python
# Define the LLM

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


# Predict the words following the text in question

prompt = 'Three reasons for using LangChain for LLM application development.'

response = llm.invoke(prompt)


print(response.content)
```