

LCEL

This lab covers LCEL, or LangChain Expression Language.

Instructions

- The provided code for this lab contains LangChain components including prompts, models, and output parsers. Your goal is to create a chain that combines these components via LCEL.
- LCEL, or LangChain Expression Language, provides a unified interface for chain creation.
- Here is a simple example of using LCEL to create a chain (imports omitted for brevity)

```
prompt = ChatPromptTemplate.from_template("tell me a short joke about {topic}")
model = ChatOpenAI()
output_parser = StrOutputParser()

chain = prompt | model | output_parser

chain.invoke({"topic": "ice cream"})
```

Extra Reading

- Take a look at the official [Python Langchain Docs](#)

Shouldn't Modify (But Look at for Context)

- [main/app.py](#) (Can also run this for manual testing)
- [test/test.py](#)

Should Modify

- [lab/lab.py](#) - look out for TODO statements