Loading from LangChainHub

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This notebook covers how to load chains from LangChainHub.

```
from langchain.chains import load_chain

chain = load_chain("lc://chains/llm-math/chain.json")
```

```
chain.run("whats 2 raised to .12")
```

```
> Entering new LLMMathChain chain...
whats 2 raised to .12
Answer: 1.0791812460476249
> Finished chain.
```

```
'Answer: 1.0791812460476249'
```

Sometimes chains will require extra arguments that were not serialized with the chain. For example, a chain that does question answering over a vector database will require a vector database.

```
from langchain.embeddings.openai import OpenAIEmbeddings
from langchain.vectorstores import Chroma
from langchain.text_splitter import CharacterTextSplitter
from langchain import OpenAI, VectorDBQA
```

```
from langchain.document_loaders import TextLoader
loader = TextLoader('../../state_of_the_union.txt')
documents = loader.load()
text_splitter = CharacterTextSplitter(chunk_size=1000, chunk_overlap=0)
texts = text_splitter.split_documents(documents)

embeddings = OpenAIEmbeddings()
vectorstore = Chroma.from_documents(texts, embeddings)
```

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```
Running Chroma using direct local API.
Using DuckDB in-memory for database. Data will be transient.
```

```
chain = load_chain("lc://chains/vector-db-qa/stuff/chain.json",
vectorstore=vectorstore)
```

```
query = "What did the president say about Ketanji Brown Jackson"
chain.run(query)
```

```
" The president said that Ketanji Brown Jackson is a Circuit Court of Appeals
Judge, one of the nation's top legal minds, a former top litigator in private
practice, a former federal public defender, has received a broad range of support
from the Fraternal Order of Police to former judges appointed by Democrats and
Republicans, and will continue Justice Breyer's legacy of excellence."
```