

Pinecone

This notebook shows how to use functionality related to the Pinecone vector database.

```
from langchain.embeddings.openai import OpenAIEmbeddings
from langchain.text_splitter import CharacterTextSplitter
from langchain.vectorstores import Pinecone
from langchain.document_loaders import TextLoader
```

```
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)
docs = text_splitter.split_documents(documents)

embeddings = OpenAIEmbeddings()
```

```
import pinecone

# initialize pinecone
pinecone.init(
    api_key="YOUR_API_KEY", # find at app.pinecone.io
    environment="YOUR_ENV" # next to api key in console
)

index_name = "langchain-demo"

docsearch = Pinecone.from_documents(docs, embeddings, index_name=index_name)

query = "What did the president say about Ketanji Brown Jackson"
docs = docsearch.similarity_search(query)
```

```
print(docs[0].page_content)
```