

Petals LLM Example

Contents

- Install petals
- Imports
- Set the Environment API Key
- Create the Petals instance
- Create a Prompt Template
- Initiate the LLMChain
- Run the LLMChain

This notebook goes over how to use Langchain with [Petals](#).

Install petals

The `petals` package is required to use the Petals API. Install `petals` using `pip3 install petals`.

```
$ pip3 install petals
```

Imports

```
import os
from langchain.llms import Petals
from langchain import PromptTemplate, LLMChain
```

[Skip to main content](#)

Set the Environment API Key

Make sure to get your API key from Huggingface.

```
os.environ["HUGGINGFACE_API_KEY"] = "YOUR_KEY_HERE"
```

Create the Petals instance

You can specify different parameters such as the model name, max new tokens, temperature, etc.

```
llm = Petals(model_name="bigscience/bloom-petals")
```

Create a Prompt Template

We will create a prompt template for Question and Answer.

```
template = """Question: {question}

Answer: Let's think step by step."""

prompt = PromptTemplate(template=template, input_variables=["question"])
```

Initiate the LLMChain

```
llm_chain = LLMChain(prompt=prompt, llm=llm)
```

Run the LLMChain

Provide a question and run the LLMChain

[Skip to main content](#)

```
question = "What NFL team won the Super Bowl in the year Justin Beiber was born?"  
  
llm_chain.run(question)
```