



LangChain



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LangChain is a framework for developing applications powered by large language models (LLMs).

Available Software offering

- Python
- Javascript



LLM



- Core component of LangChain
- Does not serve its own LLMs
- OpenAI, Cohere, Hugging Face etc



Prompt Template



A prompt for a language model is a set of instructions or input provided by a user to guide the model's response

```
from langchain_core.prompts import PromptTemplate

prompt_template = PromptTemplate.from_template(
    "Tell me a {adjective} joke about {content}."
)

prompt_template.format(adjective="funny", content="chickens")
```



Chains



- Chains refer to sequences of calls –(LLM, a tool, or a data preprocessing step)
- Reusable components that can be linked together to perform complex tasks



Chains



Simple Sequential Chain:

- Simple chain where the outputs of one step feed directly into next
- Singleinput/output

Sequential Chain:

- Allows for multiple inputs/outputs

