# What is LangChain?

- LangChain is a framework designed to simplify the creation of applications using large language models (LLMs).
- It was launched in October 2022 as an open-source project by Harrison Chase.
- The project quickly got popularity, with improvements from hundreds of contributors on GitHub, trending discussions on Twitter, lively activity on the project's Discord server, many YouTube tutorials, and meetups around the world.

# Core Concepts of LangChain

- LangChain is a language model integration framework, which means that it provides a way to connect LLMs to software applications with "chains".
- Chains can include various modules such as:
  - **Prompt templates**: for different types of prompts, such as "chatbot" style templates or question-answering templates.
  - **LLMs**: like GPT-4, BLOOM, etc.
  - **Agents**: use LLMs to decide what actions should be taken.

# Use cases

- LangChain is a powerful tool that can be used to create a wide variety of applications.
- Some of the potential use cases for LangChain include:
    - Chatbots (like ChatGPT)
    - Natural language understanding
    - Summarization
    - Question answering

# Steps to Get Started

1. Installation

```
pip install langchain
```

2. Import the Chain class from the langchain package.

```
from langchain import Chain
```

3. Create a new chain by calling the Chain constructor.

```
chain = Chain()
```

4. Add a prompt to the chain by calling the chain.add_prompt() method

```
chain.add_prompt("What is your name?")
```

# Steps to Get Started

5. Add an LLM to the chain by calling the chain.add_llm() method

```
chain.add_llm("openai/chatGPT")
```

6. Run the chain by calling the chain.run() method

```
chain.run()
```

7. You can access the output of the LLM by calling the chain.output() method

```
output = chain.output()
```

8. . Print the output  by calling  print()

```
 print(output)
```


# You just wrote your first Langchain!

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