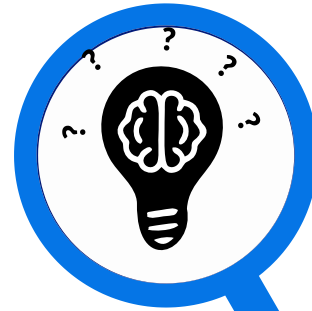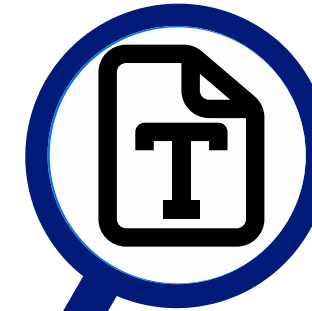# LangChain Components

Memory

"Memory" refers to the ability of an agent (such as a chatbot or language model) to retain information about previous interactions with the user.

Prompt templates

Prompt templates are a way to generate prompts consistently and reproducibly. The template is a 'text string' that the user can customize in multiple ways. The prompt templates can consist of instructions to LLMs, a few shot examples, etc.
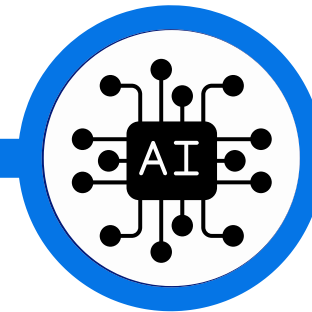
Indexes

Indexes are used to structure documents for interaction with LLMs. Indexes are commonly used for "retrieval" to find the most relevant documents for a user's query.

LLMs

LangChains provide a standard interface to connect to a number of LLMs(OpenAI, Hugging Face, Cohere, Anthropic, and many more) out there.

Chains

The 'main' idea of LangChain is the ability to chain different components together so that the user can build intricate and interconnected applications that leverage LLMs.

Agents

LangChain Agents employ an LLM as a reasoning mechanism to connect apps to the outside world based on user input. Instead of using a predetermined chain of calls to LLMs/other tools, it uses an LLM to decide a potentially new chain to use that depends on the user's input.