

LangChain Modules

* Introduction

- * Exploration of LangChain Modules
- * Documentation Website Overview
- * Six Main Modules

* Modules Overview

* Models

* Prompts

- * Template-Based Prompts: Structured prompts that guide the model to generate specific types of responses.
- * Dynamic Prompts: Prompts that can be adjusted based on user input or context to provide more personalized responses.

* Memory

- * Short-Term Memory: Temporarily stores recent interactions to maintain context within a session.
- * Long-Term Memory: Stores persistent information that can be recalled across multiple sessions.

* Indexes

- * Document Indexing: Organizes and stores documents for efficient retrieval and querying.
- * Semantic Indexing: Indexes content based on meaning and context to improve search accuracy.

* Chains

- * Sequential Chains: Executes a series of tasks in a predefined order.
- * Parallel Chains: Executes multiple tasks simultaneously to improve efficiency.

* Agents

- * Task-Specific Agents: Agents designed to perform specific tasks, such as customer support or data analysis.
- * General-Purpose Agents: Agents capable of handling a wide range of tasks and adapting to different scenarios.

* Callbacks

- * Event-Driven Callbacks: Functions that are triggered by specific events, such as user actions or system updates.
- * Asynchronous Callbacks: Functions that run in the background and can be used to handle long-running tasks without blocking the main process.

* Models

* Applications

- * LMS Chart Models
- * Text Embedding Models

* Detailed Understanding

- * LMS Chart Models
- * Text Embedding Models