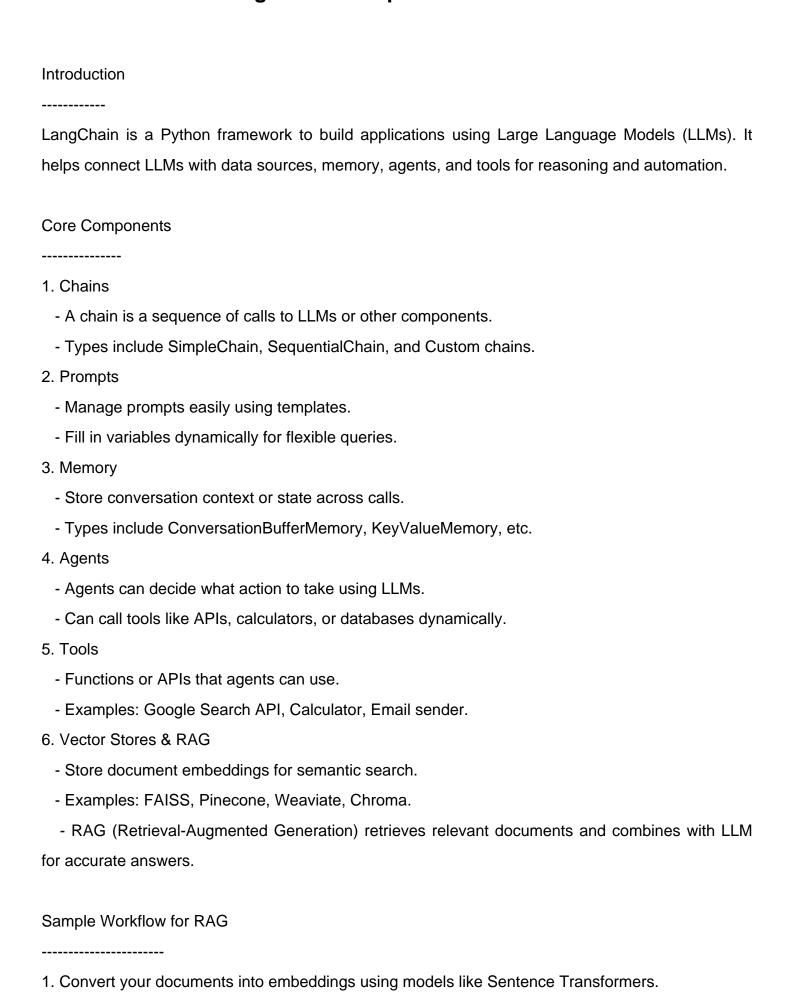
LangChain: Complete Basics Guide



- 2. Store embeddings in a vector database (FAISS, Pinecone).
- 3. When a query arrives, retrieve top-k similar documents.
- 4. Pass retrieved documents to LLM to generate an answer.

Sample Questions & Answers

Q1: What is LangChain used for?

A1: To build applications with LLMs that can reason, fetch data, and perform tasks using chains, prompts, and agents.

Q2: What is RAG?

A2: Retrieval-Augmented Generation; combines documents with LLMs to answer queries accurately.

Q3: Name a vector store supported by LangChain.

A3: FAISS, Pinecone, Weaviate, Chroma.

Q4: What is the purpose of embeddings in LangChain?

A4: Convert text into vectors to measure semantic similarity and enable document retrieval.

Q5: What are agents in LangChain?

A5: Agents are LLM-powered decision-makers that can call tools dynamically based on instructions or queries.

Conclusion

LangChain makes building advanced LLM-powered applications easier by providing modular components for reasoning, memory, document retrieval, and automation. Understanding its basics like chains, prompts, memory, agents, and vector stores is essential for developing robust applications.