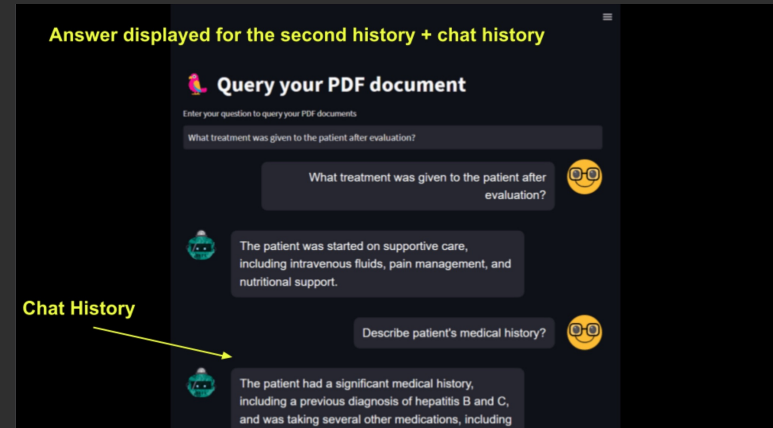


## What is LangChain?

LangChain is an Open- Source framework for developing applications powered by Large Language Models(LLMs)

## Why do we need LangChain?



## Example Queries

1. Explain page number 5 as if I am a 5 year old
2. Generate True False exercise on Linear Regression
3. Generate Notes for Decision Trees

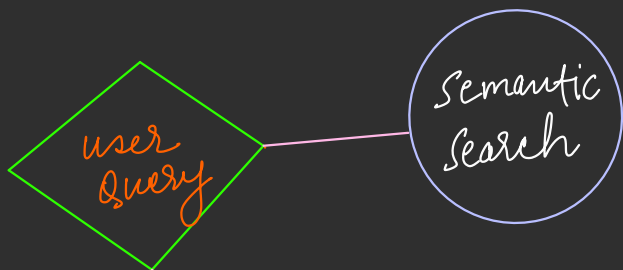
1000 pages

PDF  
stored in  
Database

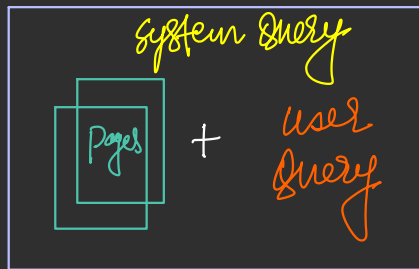
Me

keyword search  
context aware text  
generation

Final output  
↑  
Natural  
language  
NLG



Result



what are the assumptions of LR?

2 pages    371 ✓  
                  384 ✓

How many runs has Virat Scored

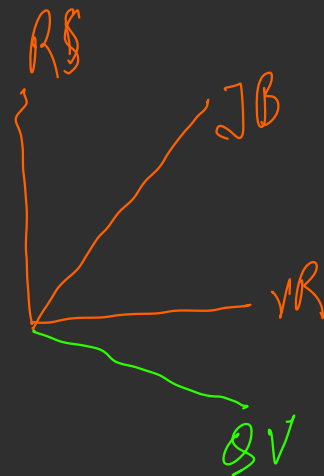
↓  
100 dim ✓

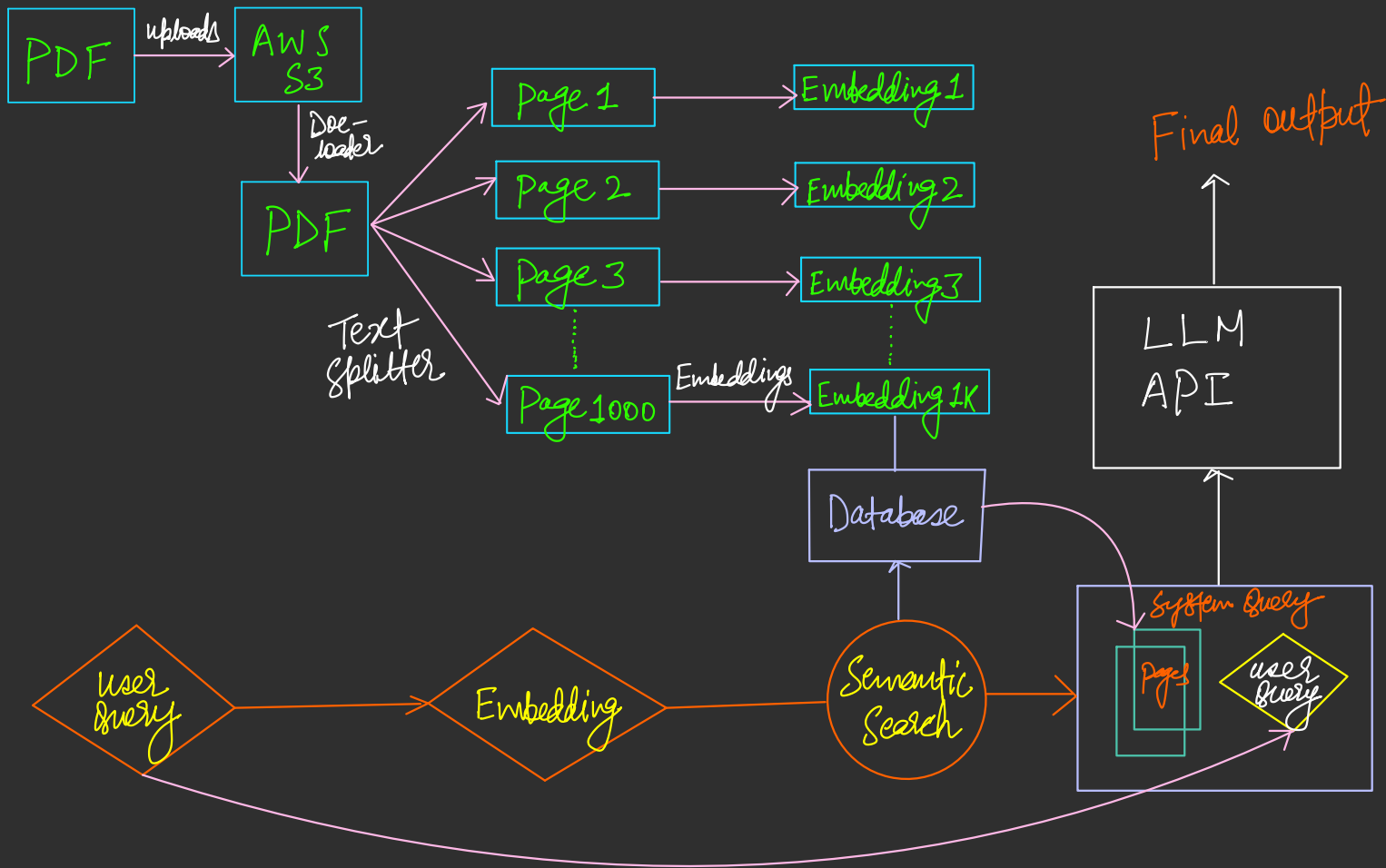
Paragraph about Virat Kohli

Paragraph about Jasprit Bumrah

Paragraph about Rohit Sharma

Text → embeddings.  
↓  
[vector]  
↓  
set of numbers  
100 → dimensional vector





## Benefits of LangChain

Concepts of Chain

Model Agnostic Development

Complete ecosystem

Memory and State Handling

## What can you build?

Conversational Chatbots

AI knowledge Assistants

AI Agents

Workflow Automation

Summarization/Research Helpers

