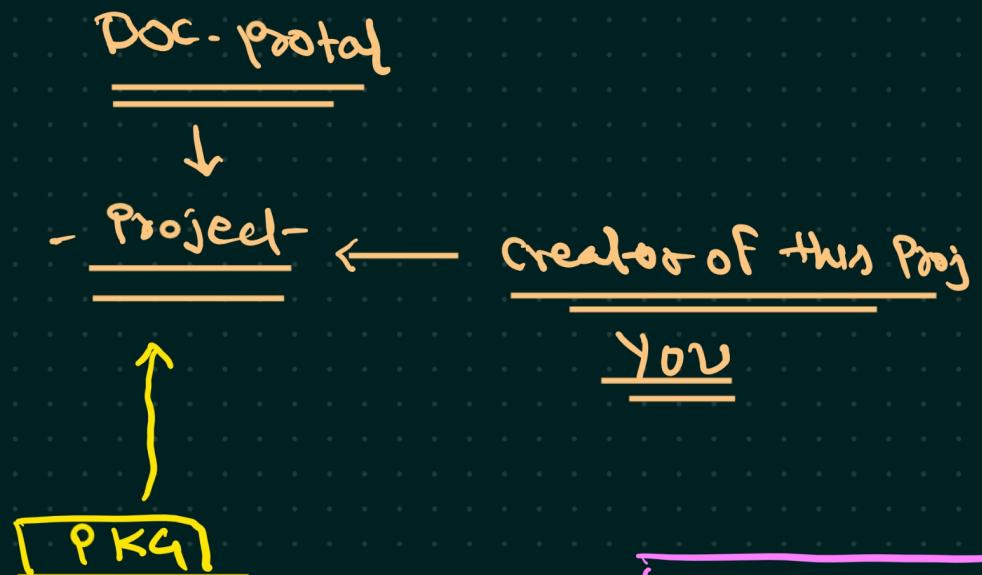
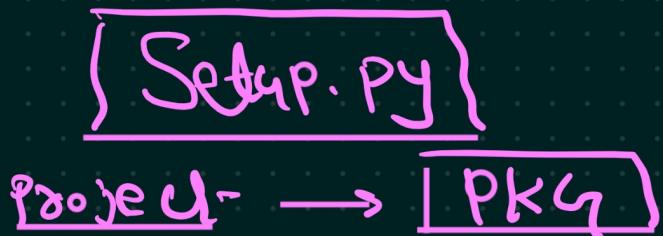
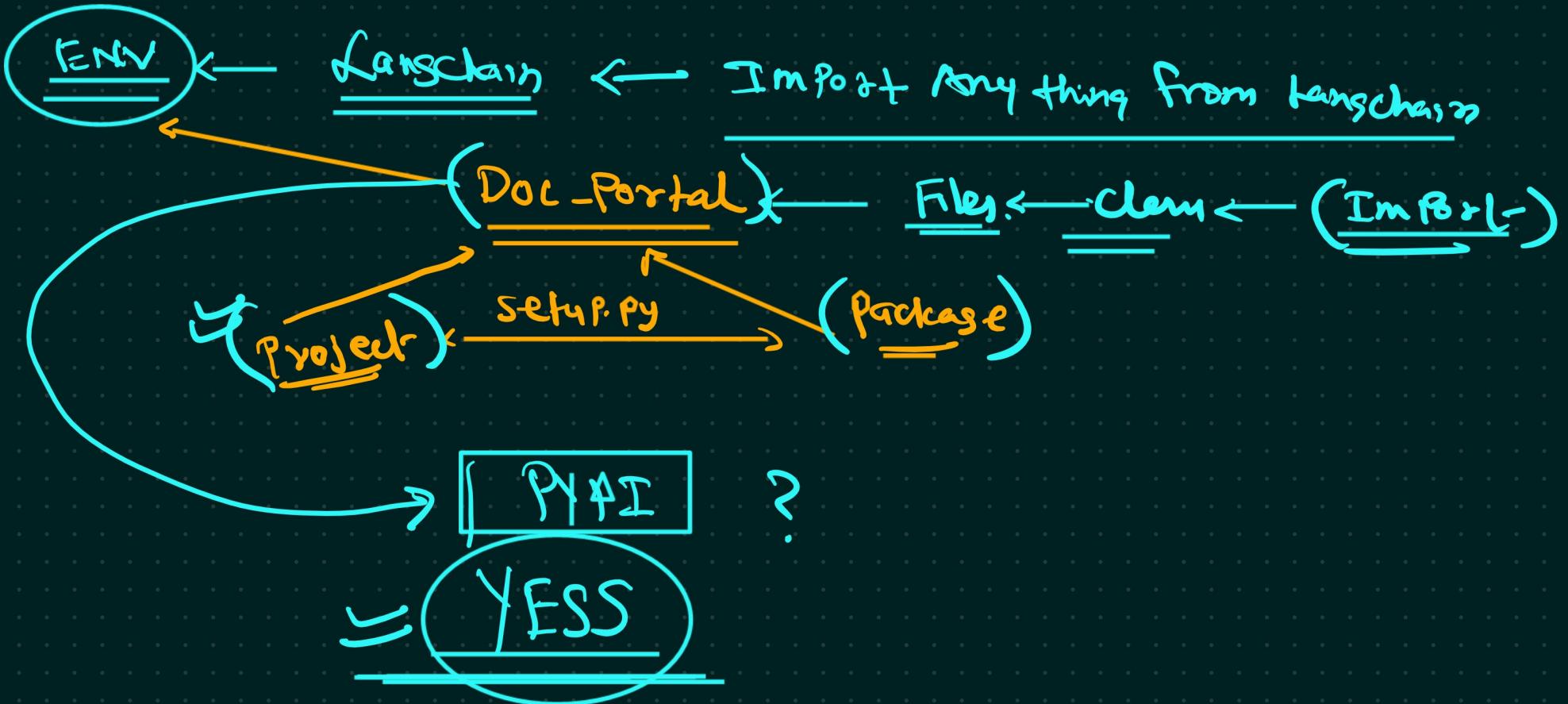


which is created by other dev.



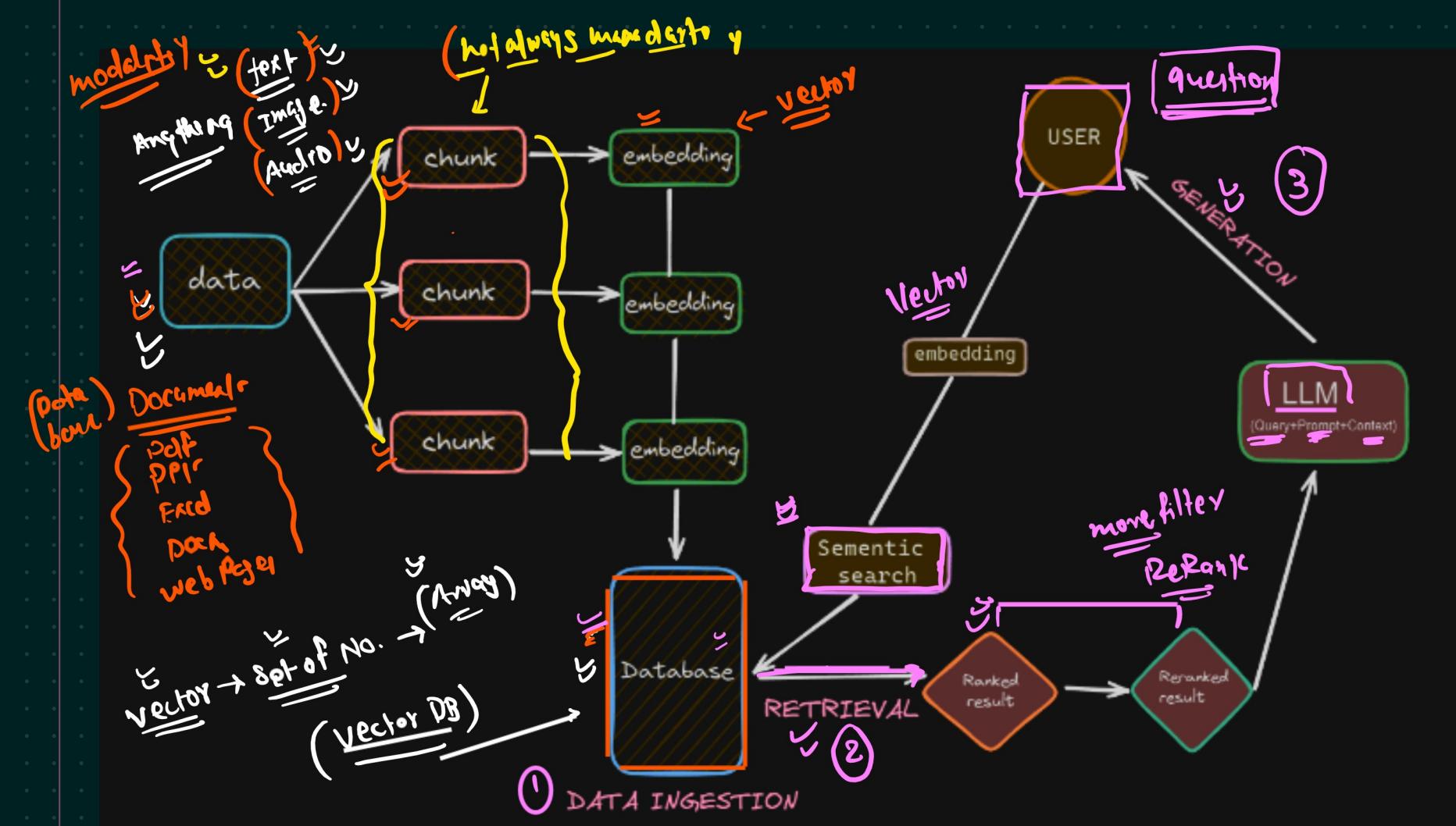
we gonna consume it as a PKG





Agenda for Today's Session

- Dive into the RAG (Retrieval-Augmented Generation) Architecture and its key components.
- Recap the project use case to ensure clarity.
- Hands-on implementation of the RAG workflow.
- Configure logging and exception handling modules .



- ① Data ingestion
- ② Data Retrieval
- ③ Date Generation

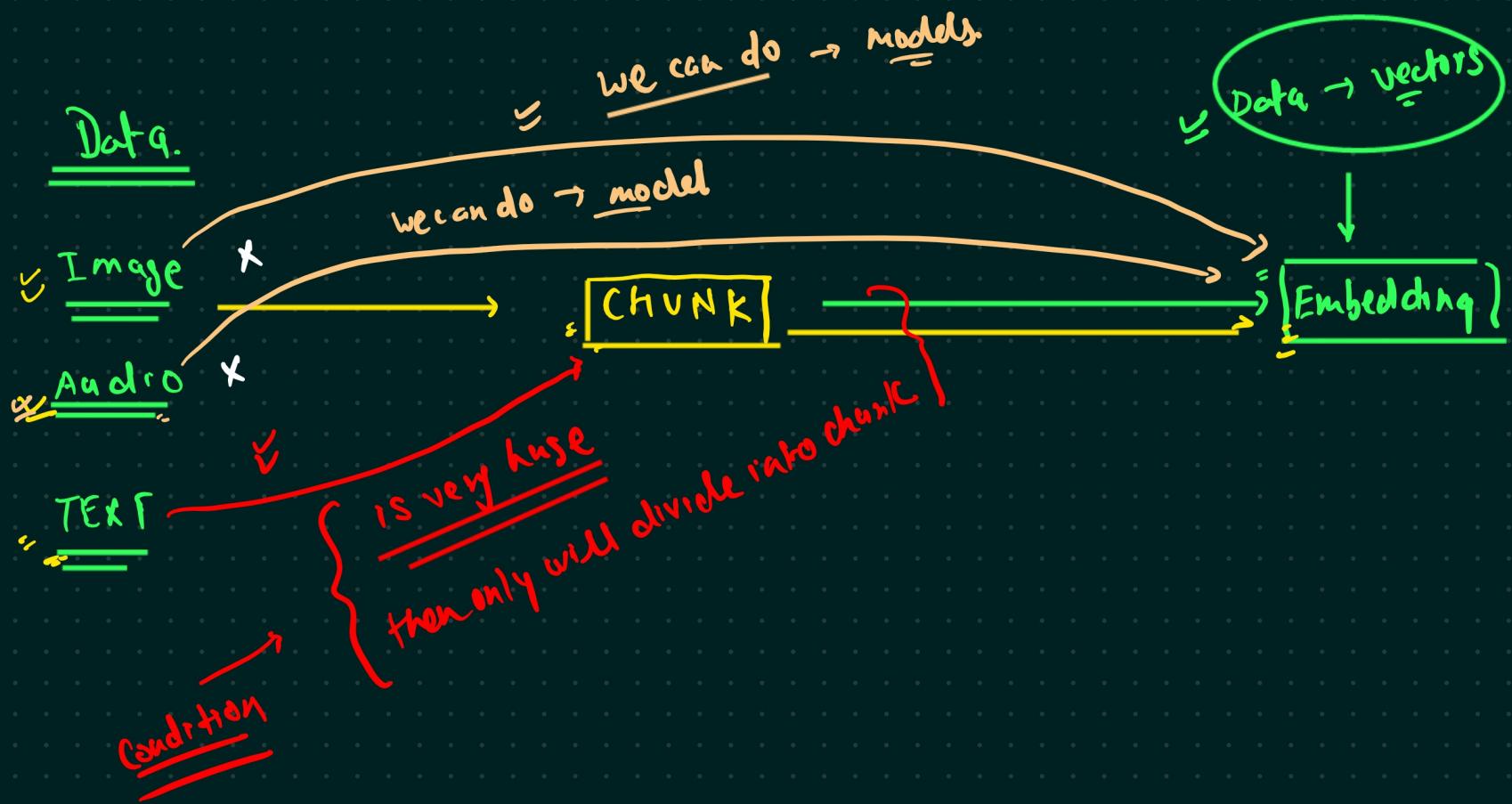
RAG → Retrieval-Augment-generation

simple → POWER concept

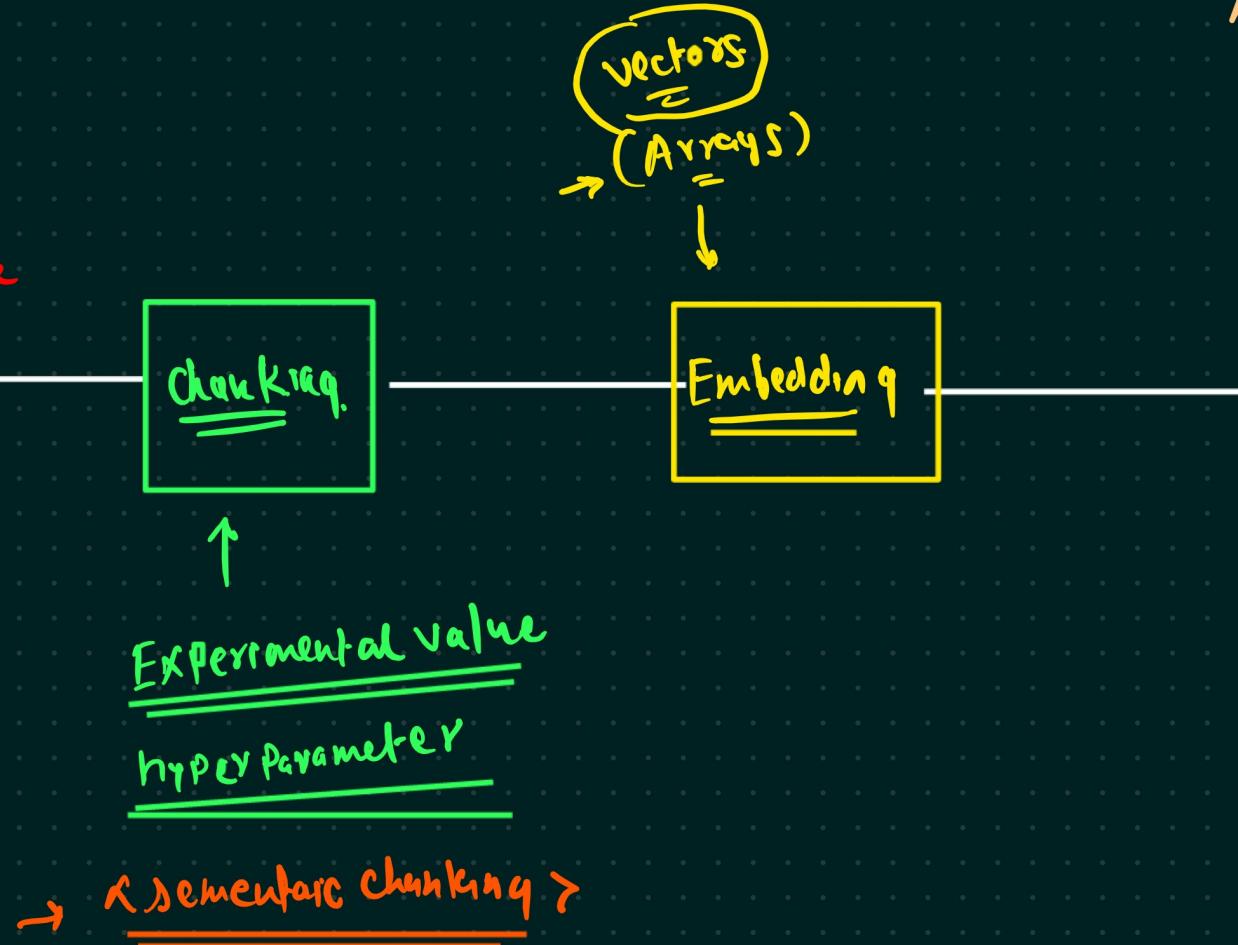
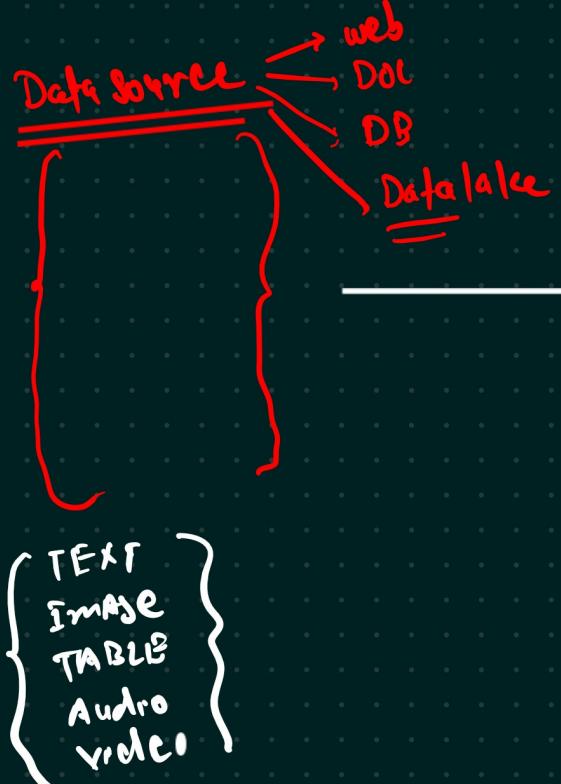
{ External Data }
source



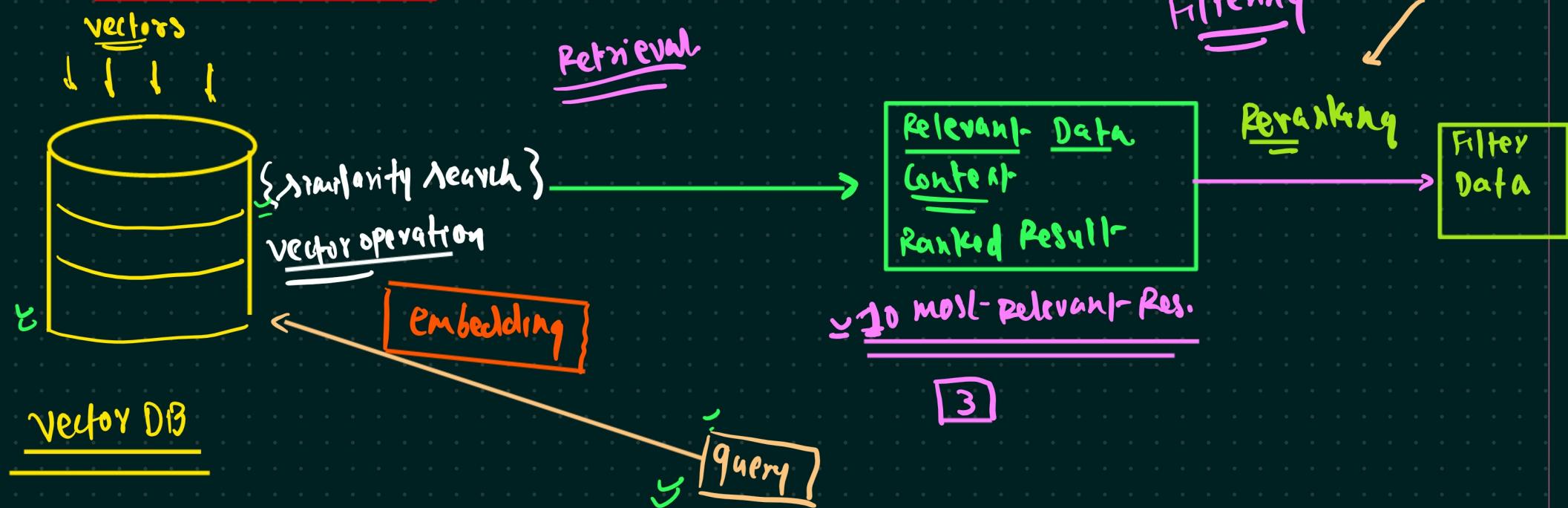
GPT, Deepset...



1 Data ingestion

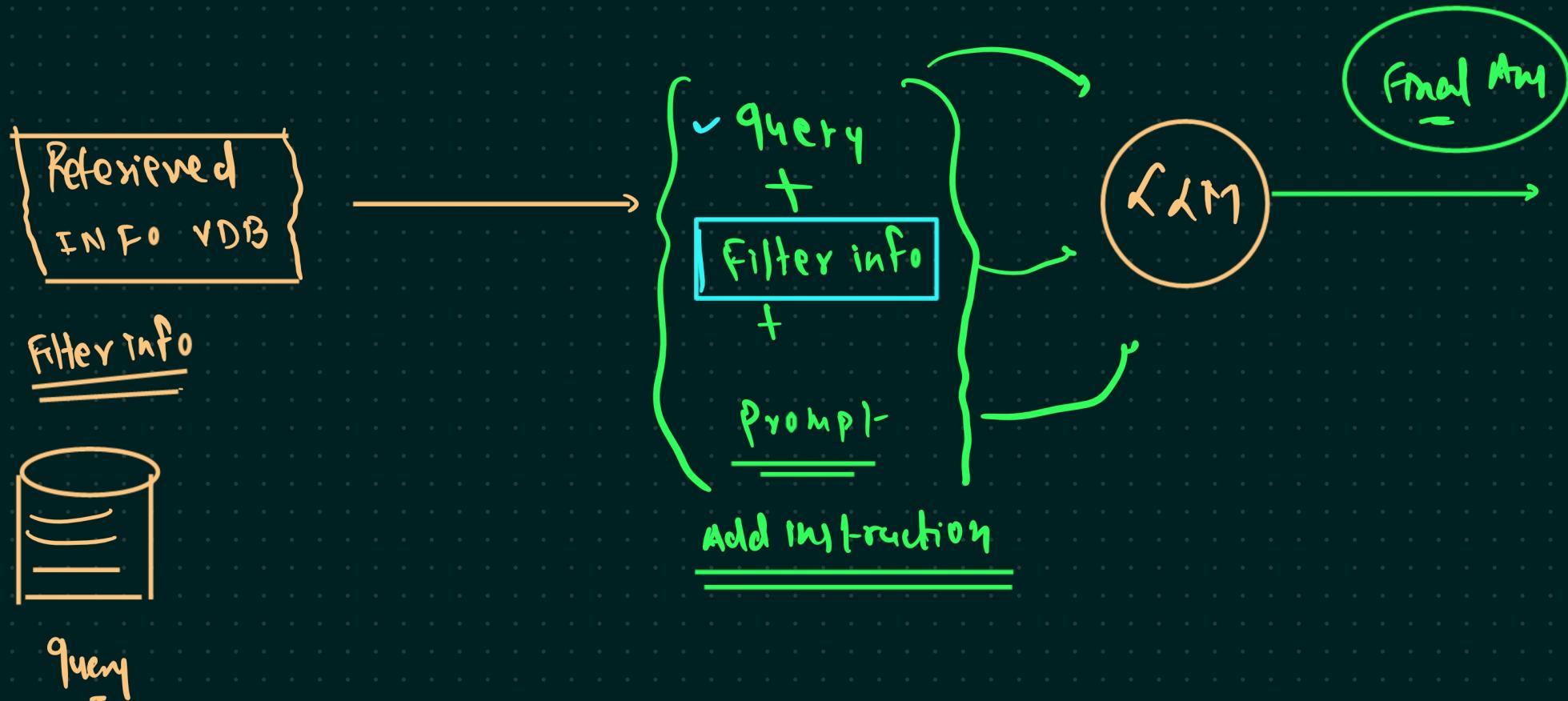


2 Data Retrieval



3

Data Generation

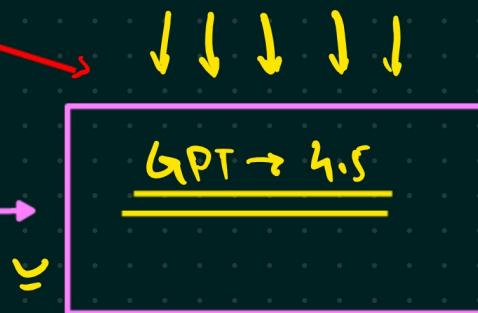


External Data Sources

question

↳ Can you tell me
size of Asian cont?

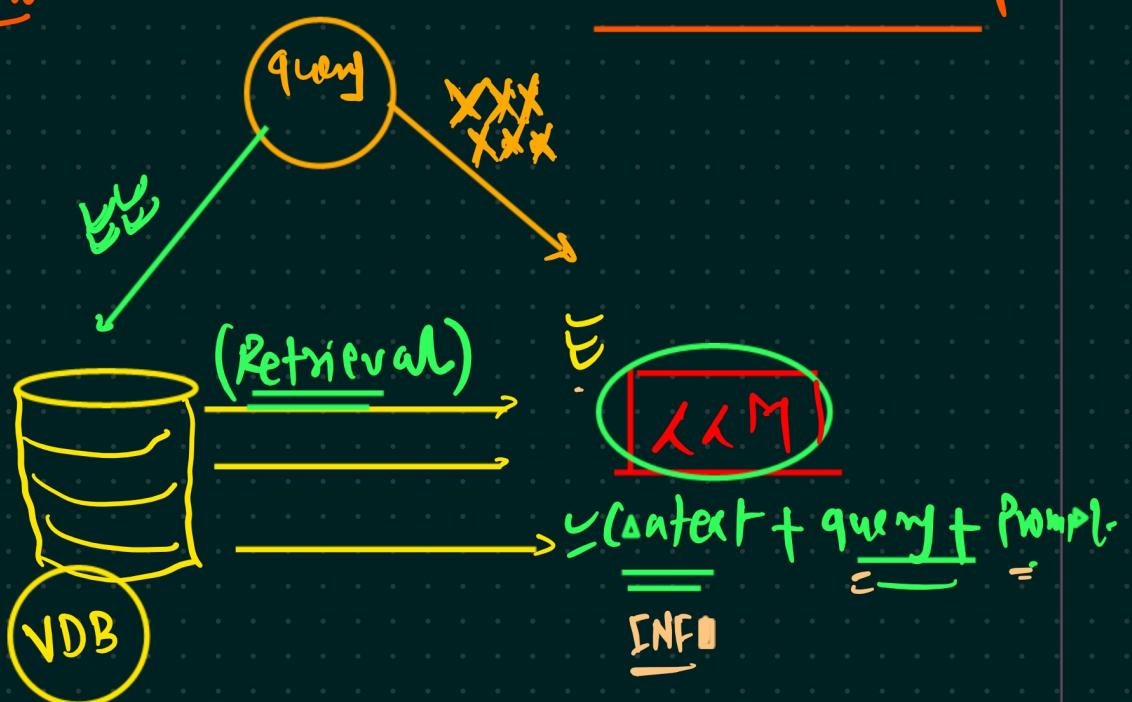
{ tell me the today's stock }
value of NVEDA?



{ size of cont-13 }
XXXX.

XXXX
Ans might be wrong

RAG



Document Portal

1 Document Analysis



Complete Analysis of
PDF

{ Extract the data
Extract Data will provide to KM }

2 Document - Compare

(Any Doc)



Comparison

b/w 2 pdfs



(PDF2)

1st ver

2nd ver

Document → change → new version of Doc

3

CHAR with DOC or multi DOC

→ RAG ?

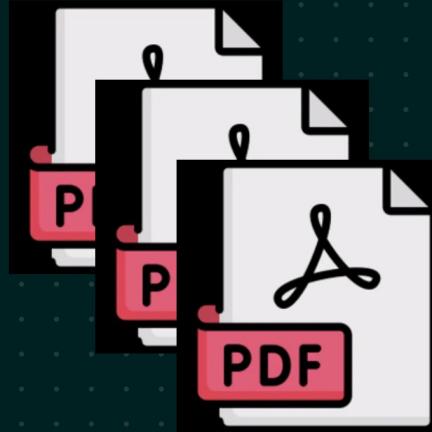
Advance RAG ENABLE



Any DOC

one Document

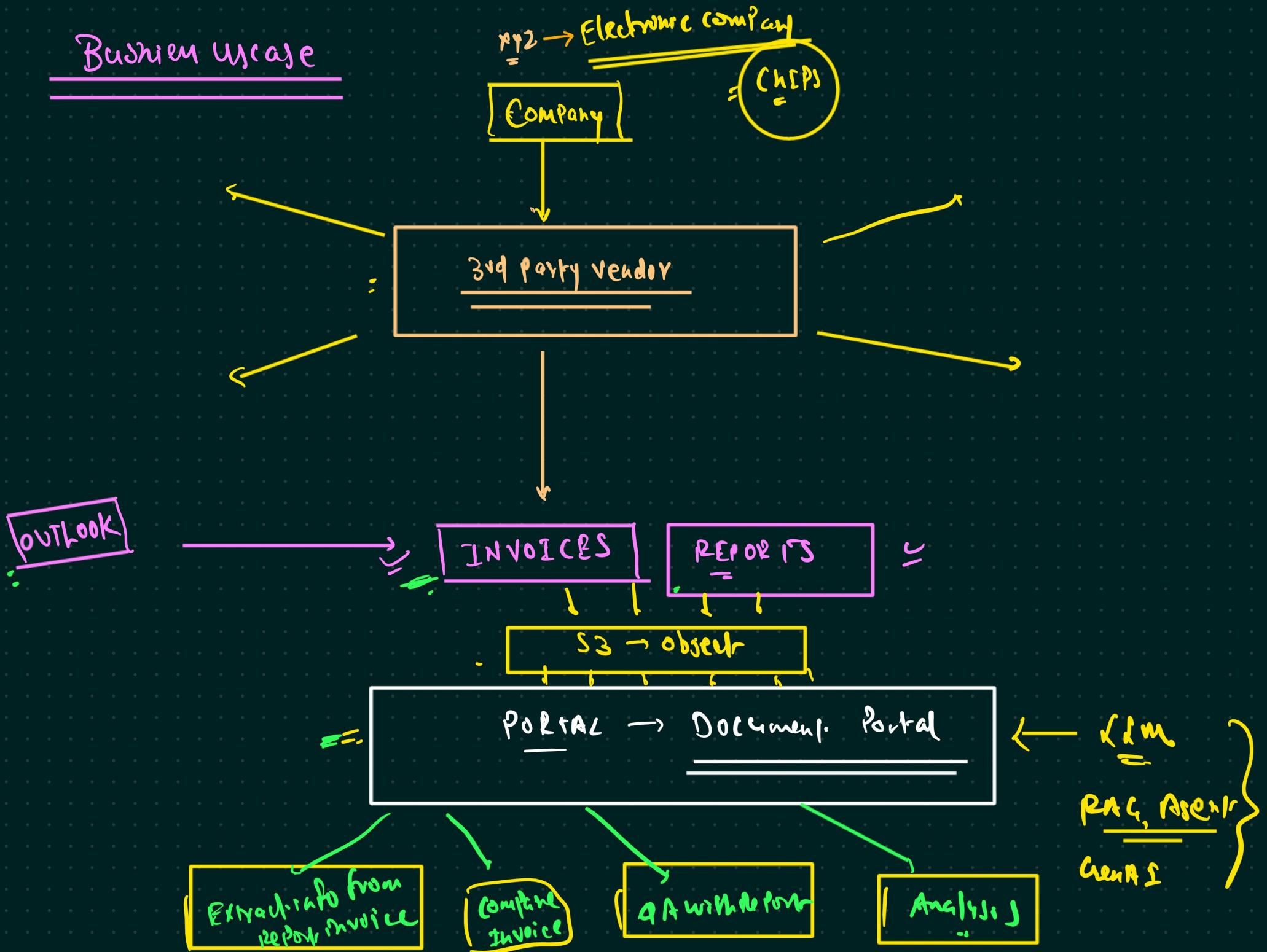
Any doc

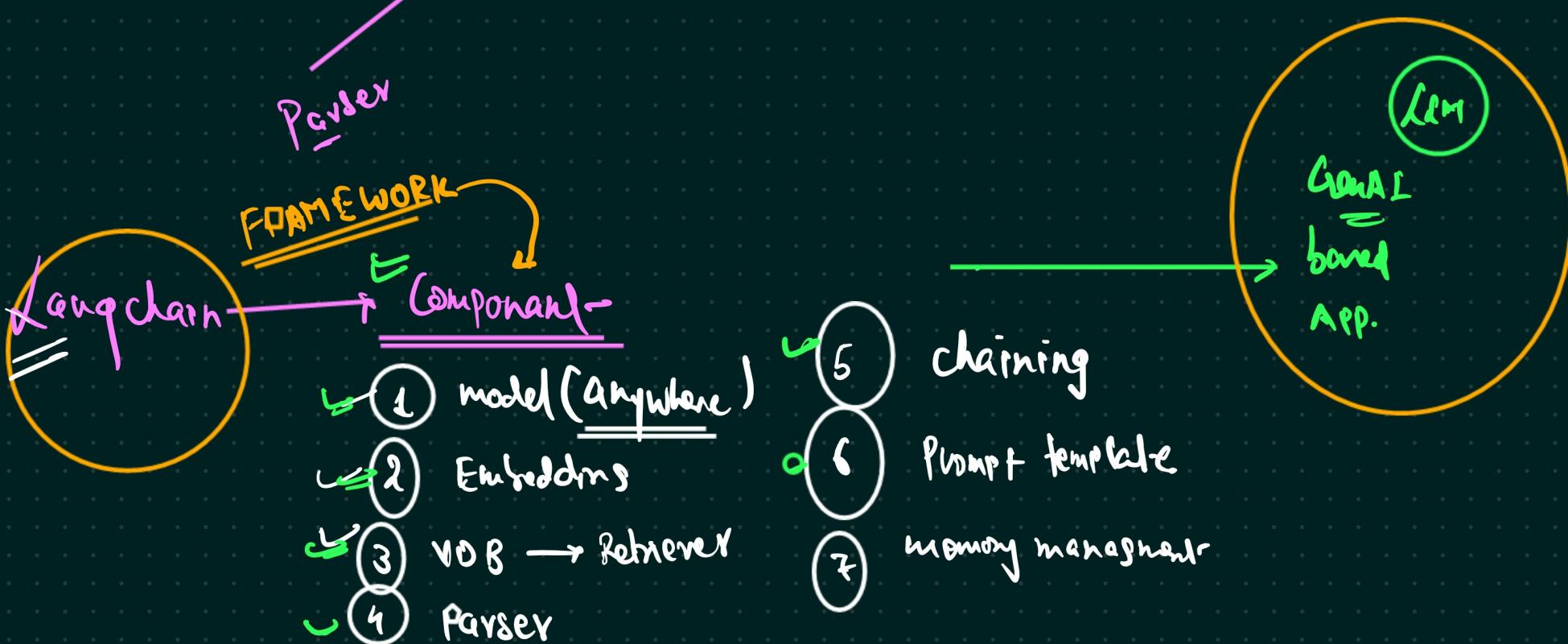
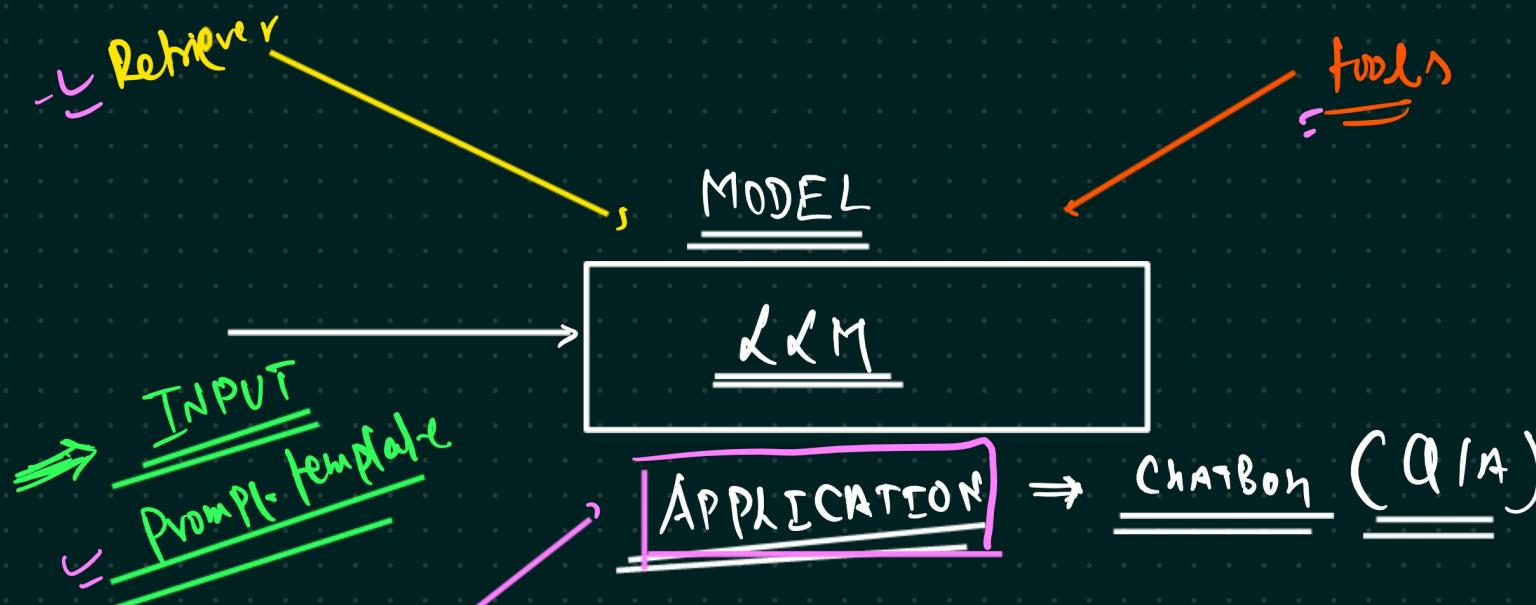


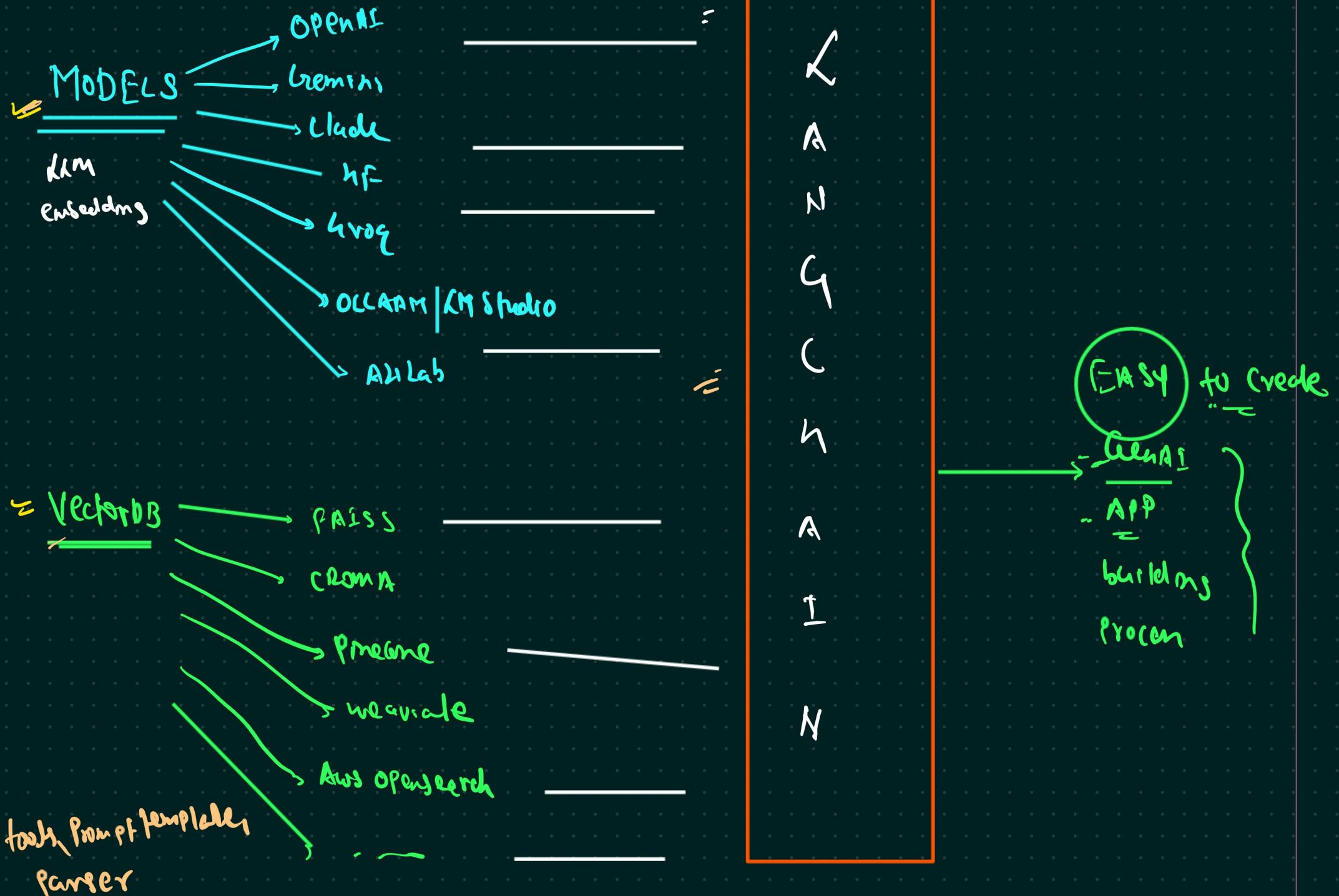
multiple DOC

CHAR

Business Use Case



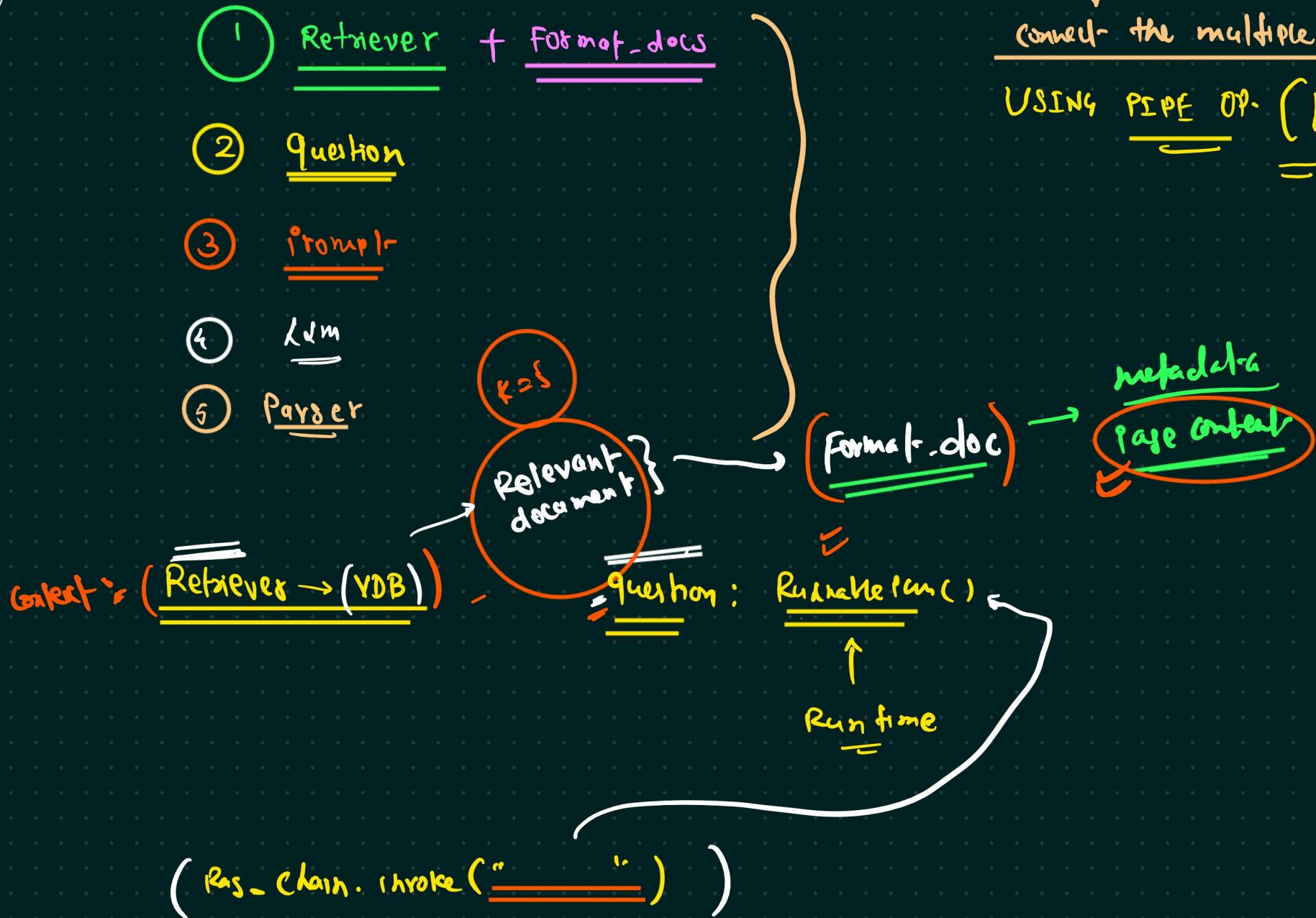




```

rag_chain = (
    {"context": retriever | format_docs, "question": RunnablePassthrough()} } = Sequential chain
    | prompt
    | llm
    | StrOutputParser()
)

```



{ Context: VDB , Question : user }



Prompt
↓

LLM
↓

Parser
↓

Final DIP
=