

## Langchain

- ✓ 1 Any model -
- ✓ 2 Any embedding -
- 3 Prompting -
- 4 Chaining -
- 5 VectorDB -
- 6 Parser -

= Agents →

- Langchain = Langgraph

} → (AI Based APP): AI Assistant

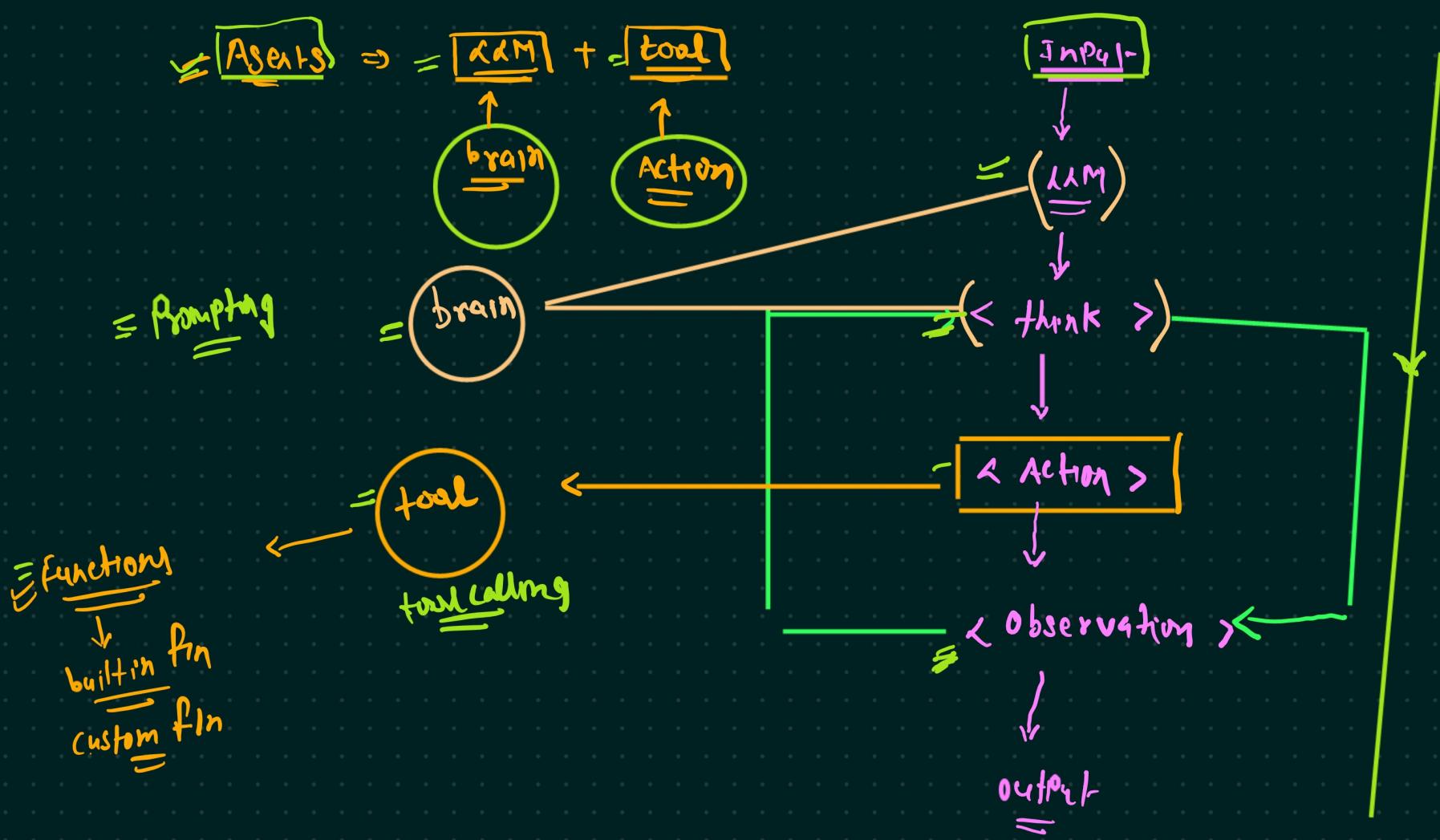
↳ RAG, MMRAG

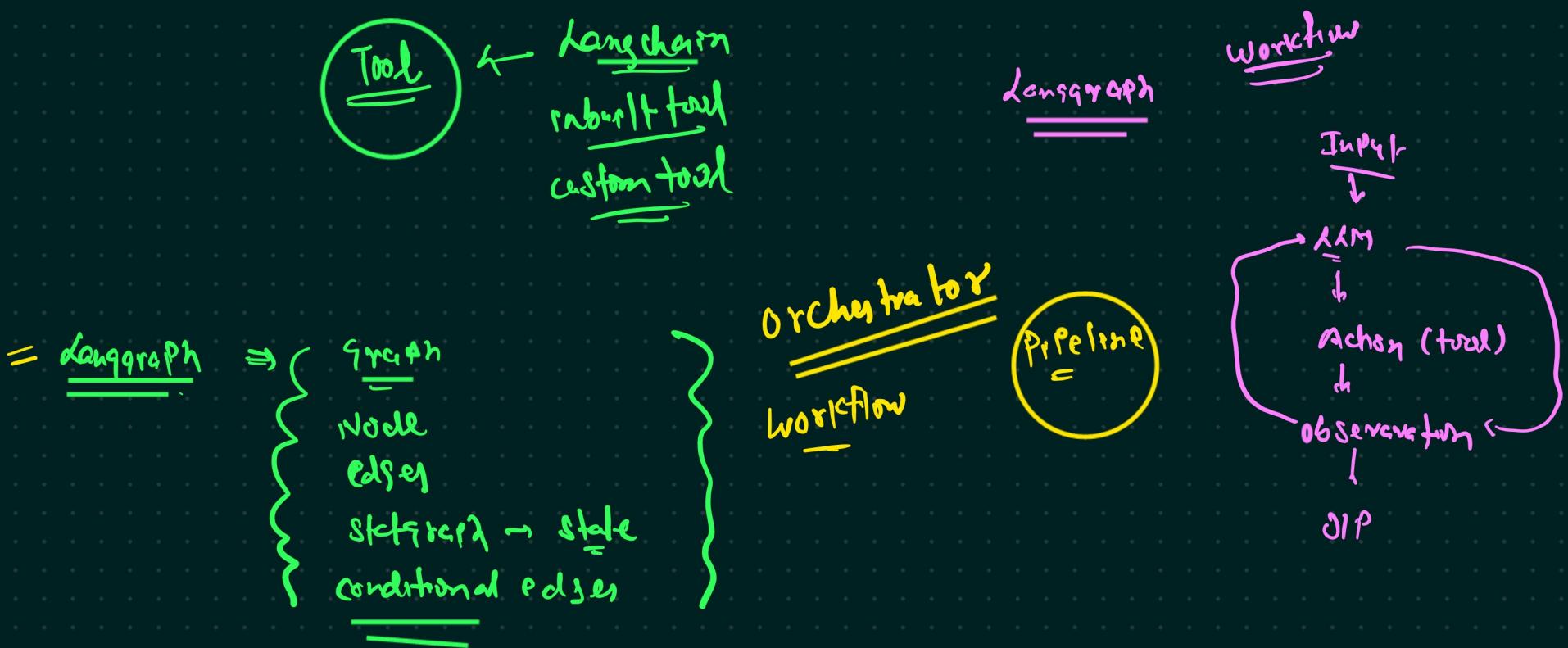
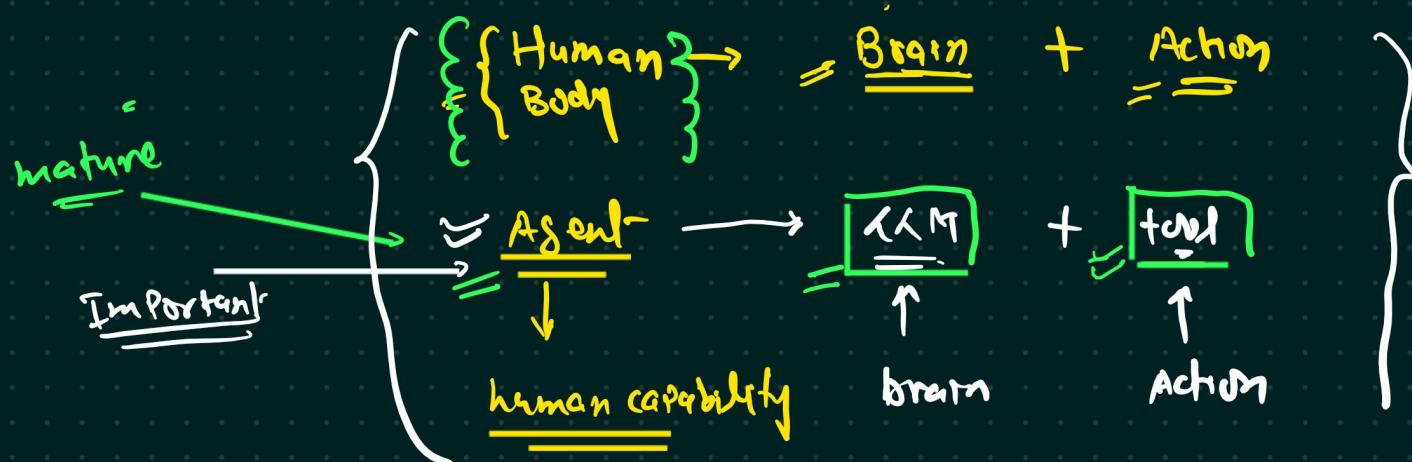
Langgraph → Asentric flow

= Agents. → multiAgent Langgraph

Agent ⇒ Advance AI Assistant  
Autonomous System

Agent a tool + LLM





Asent  $\Rightarrow$  RAM + tool  
= Langraph  $\Rightarrow$  Orchestrator framework = Asentie workflow  
 $\downarrow$   
Workflow

RAM - think, Action, observation

## Planning

Question → What was the stock price of Apple last year?

Ans → Apple  $\Rightarrow$  \$\$\$

Question - Can you tell me the today's opening price of Apple?

Ans → RAM  $\rightarrow$  think (today's opening price) X

$\rightarrow$  Action (tool calling)  $\rightarrow$  Google search API



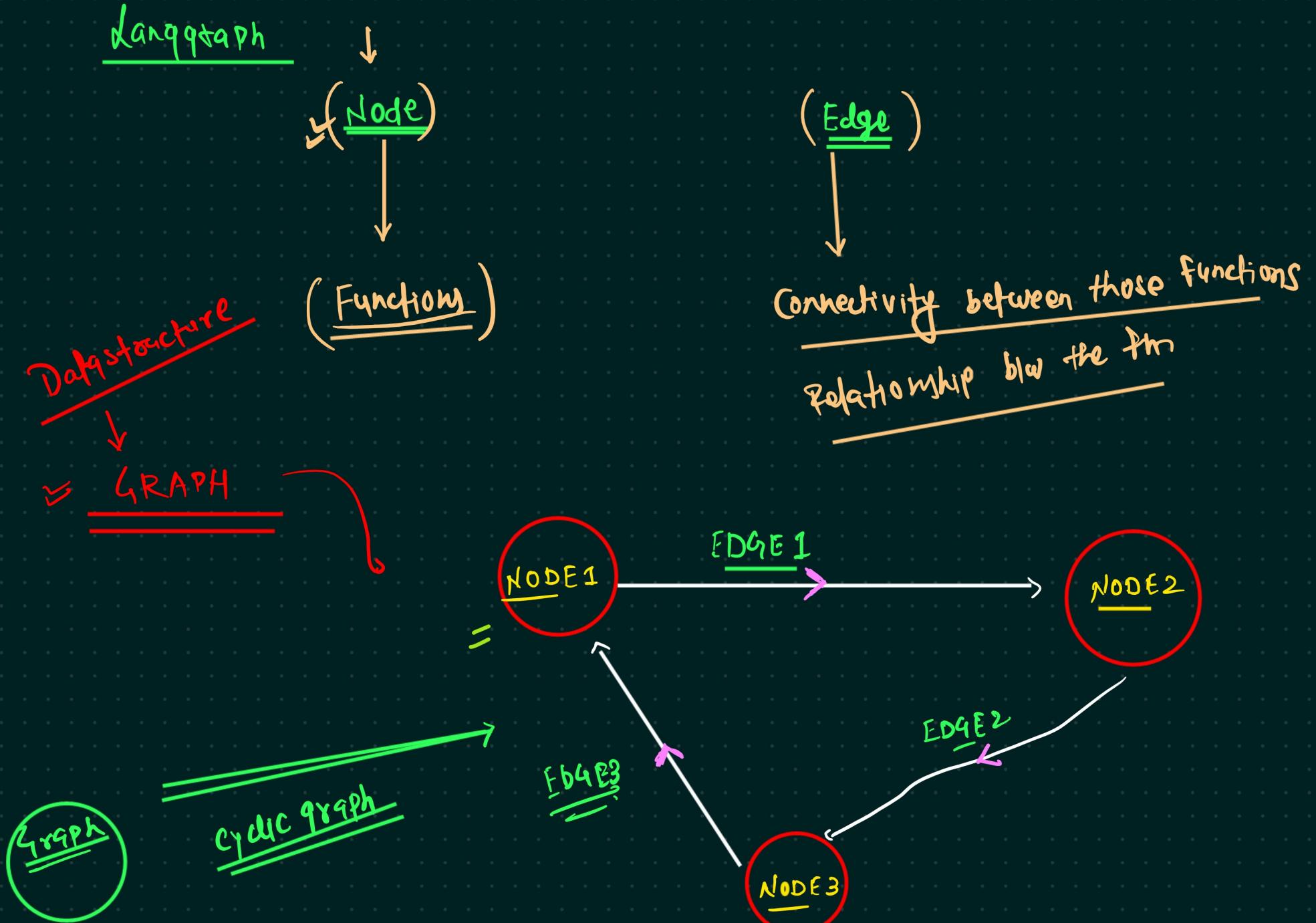
Question → { You got a mail → Write a reply for that mail  
→ send it to appropriate person

LLM → think → (Write a mail) ✓  
(Send the mail) X

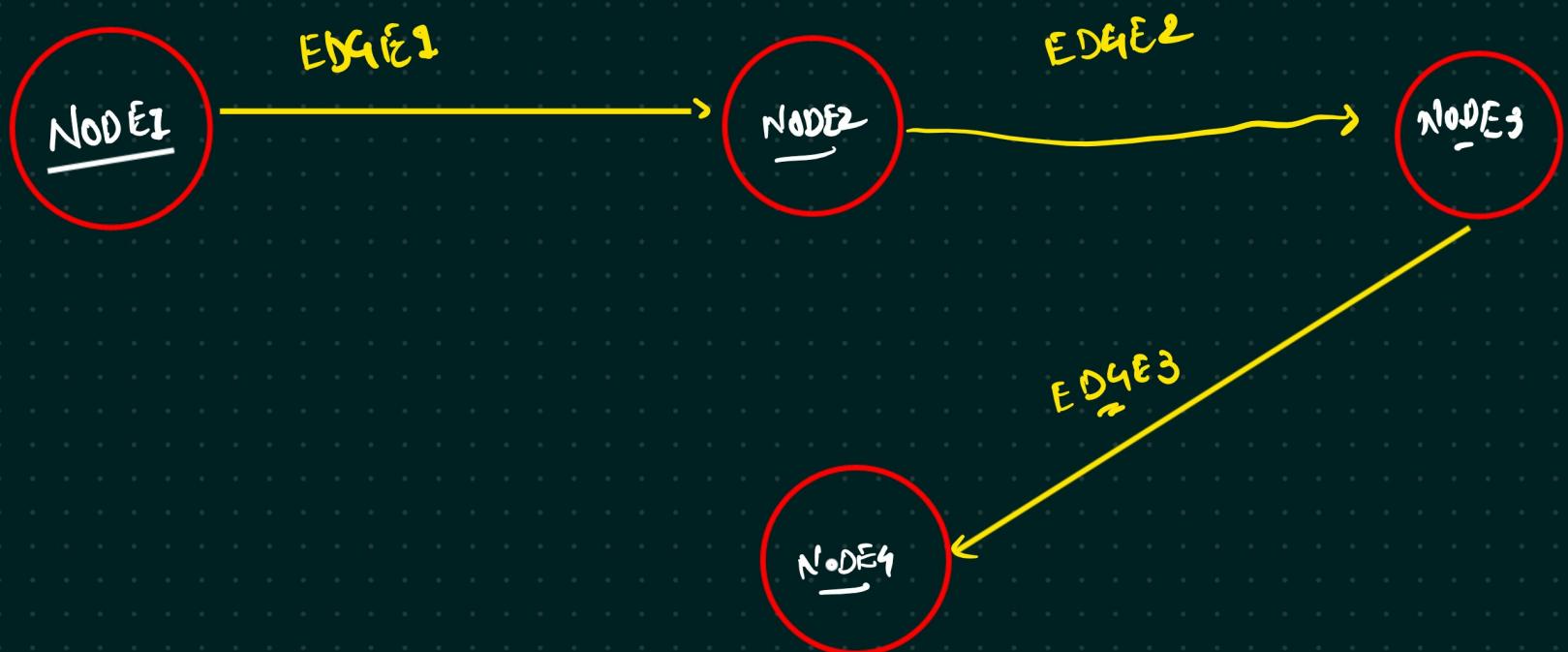
custom tool

Action ⇒ Tool calling ⇒

API (Gmail, Outlook API)



Graph  $\rightarrow$  Acyclic graph



Graph  $\Rightarrow$  Cyclic or Acyclic  
circular      not circular

$\Downarrow$   
NODE + EDGE

Lang graph  $\Rightarrow$  NODE + EDGE

Functions

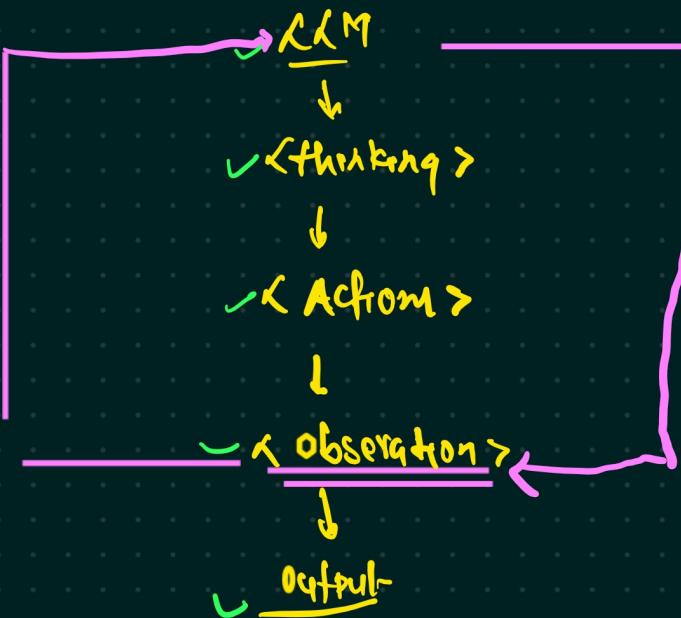
Relation b/w those fn

Langraph  
(Agentic flow)

✓ Input

Acyclic

$\Rightarrow$  Graph  $\Rightarrow$  Langraph  
Node + edges



cyclic

