

# Agentic AI

System of AI Agents

# W.I.I.F.Y

1. Definition of an AI Agent
2. Comparison among Gen AI, AI Agents and Agentic AI
3. Demo

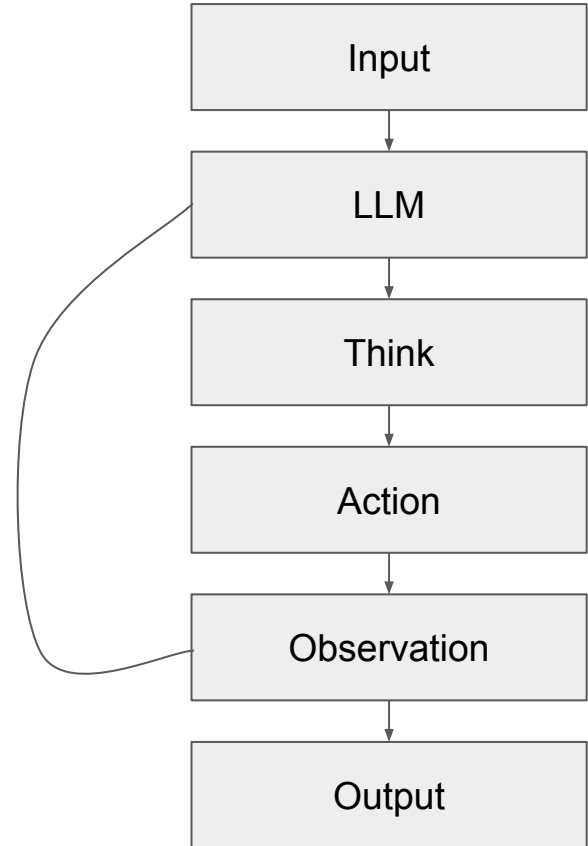
# What is AI Agent?

AI Agents are nothing but a program that takes input and thinks and acts to complete a task using tools, memory and knowledge.

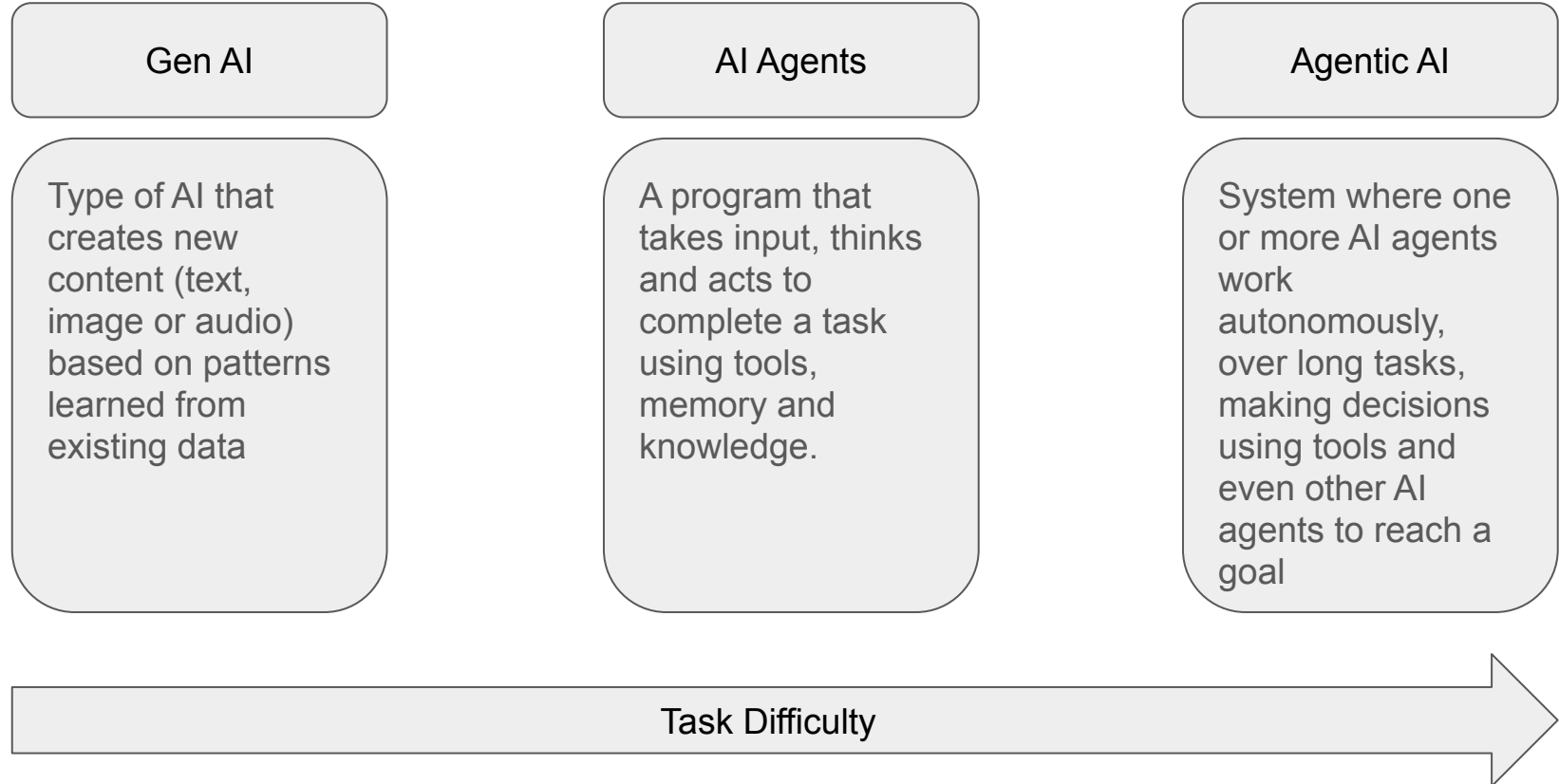
AI Agent = LLM + Tools + Memory and Knowledge

Analogy:

Human Body = Brain + Different Body Parts



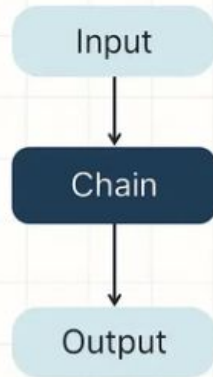
# Gen AI vs AI Agent vs Agentic AI



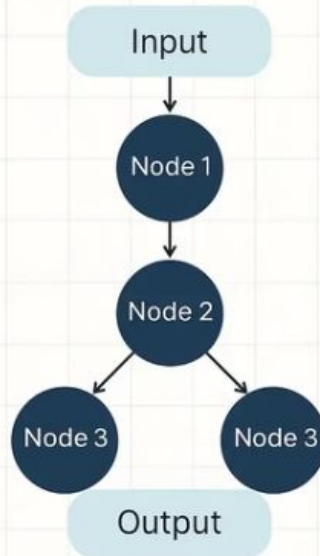
# Understanding Different Jargons Used in the Demo Project

# LANGCHAIN VS LANGGRAPH

Execution Flow

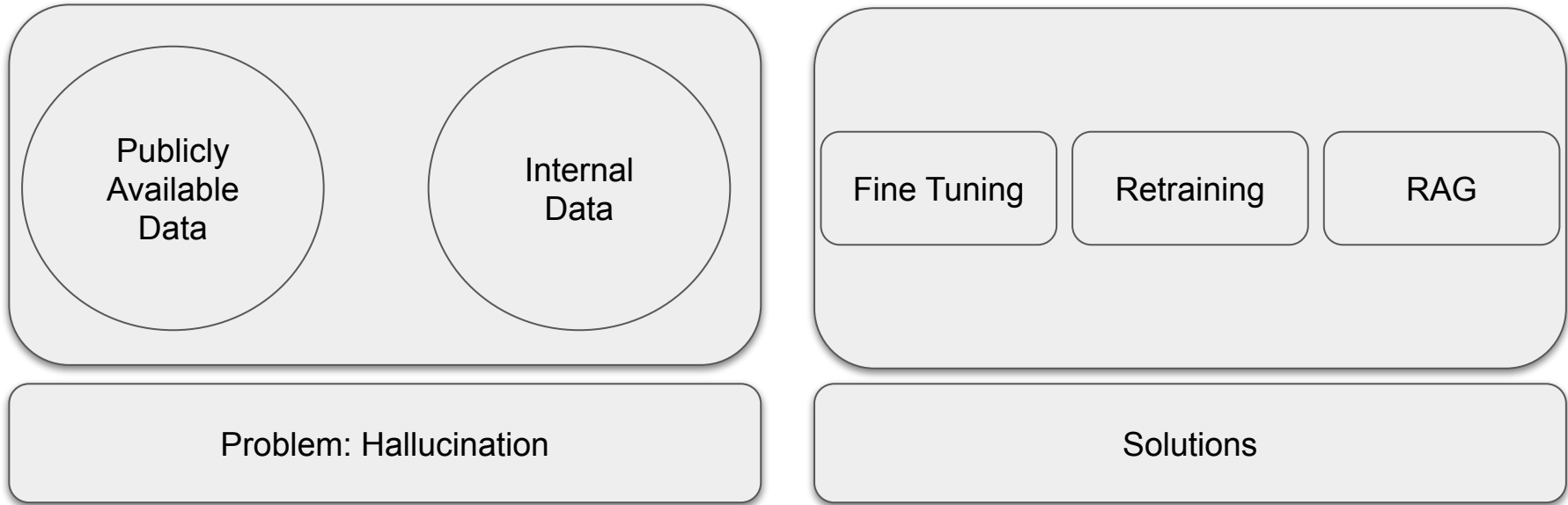


Execution Flow

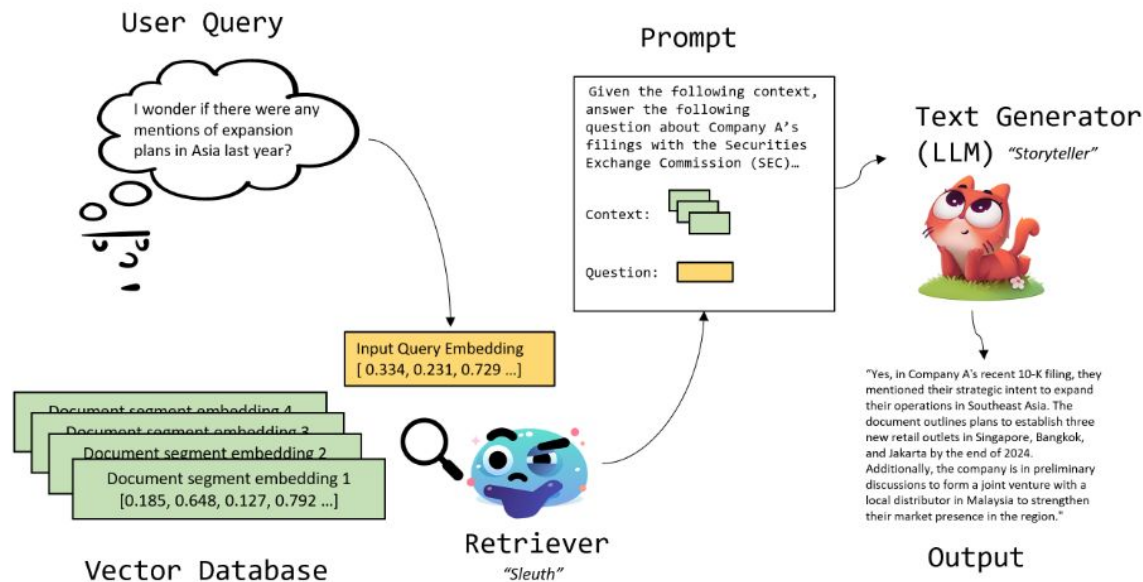


Source: [https://dev.to/brains\\_behind\\_bots/langchain-vs-langgraph-understand-the-difference-before-you-pick-one-3hm5](https://dev.to/brains_behind_bots/langchain-vs-langgraph-understand-the-difference-before-you-pick-one-3hm5)

# What if you want to ask questions specific to your internal documents?



# RAG: Retrieval Augmented Generation

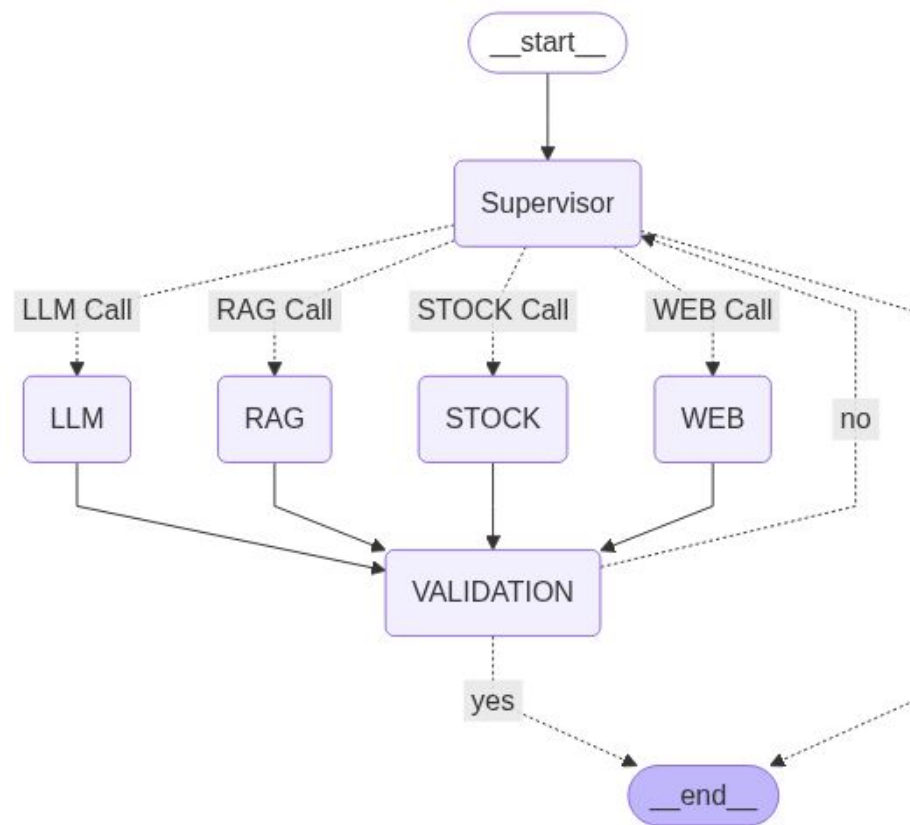


Source: <https://www.determined.ai/blog/rag>



# Supervisor Agentic AI Workflow

Component	Role
<b>Supervisor</b>	Central controller that routes queries to appropriate agents
<b>LLM Agent</b>	Handles general reasoning, summarization, and natural language queries
<b>RAG Agent</b>	Retrieves internal documents/policies and augments responses
<b>STOCK Agent</b>	Fetches financial market data, asset info, or investment metrics
<b>WEB Agent</b>	Conducts live web searches for real-time or external information
<b>VALIDATION Agent</b>	Ensures responses are complete, coherent, and reliable
<b>start</b>	Entry point of the agentic flow
<b>end</b>	Terminal state indicating successful resolution



# Q & A