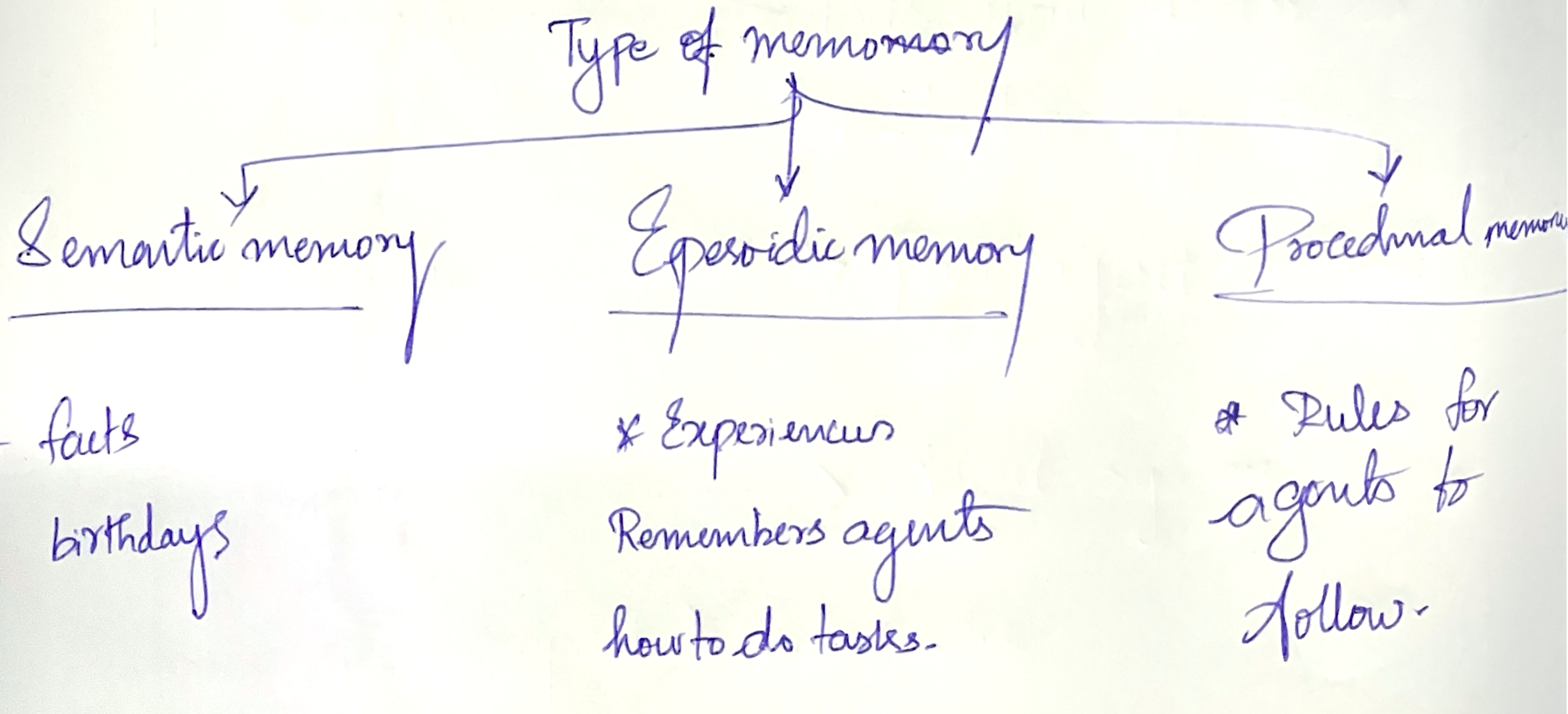
Agents & Memories

- Agentic Application
- Mental framework

— What information to store in long term memory.

— Agent need long term memory.

When & what to retrive, what to update each Iteration.
of Agent loop or may be in background over time.



Langmem → library. along with VectorDB for retrival.

* can directly updated by Agent or helper Agents

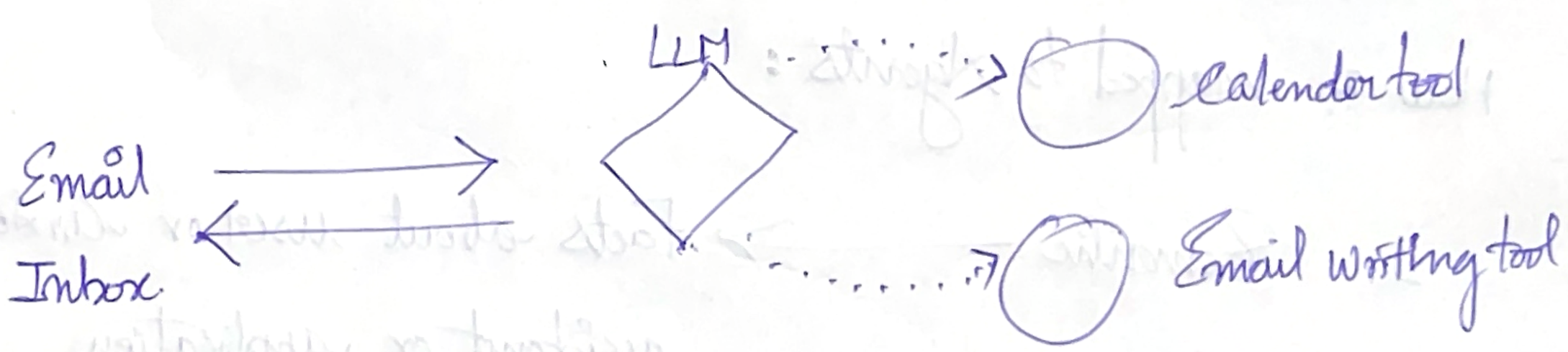
→ Email assistant.

Introduction to Agents :-

* Personal Assistants & Productivity ask its good at.

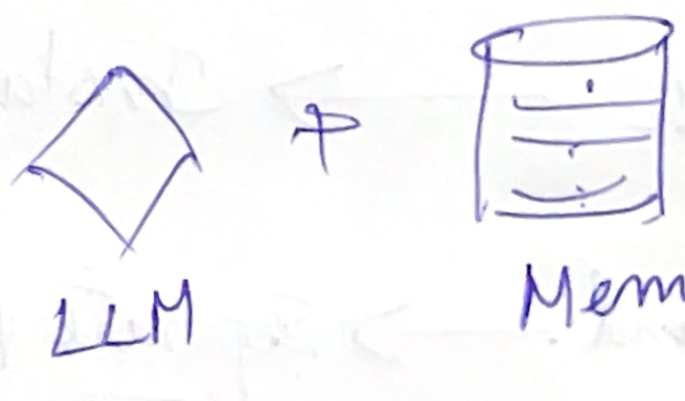
↳ Memory play pivotal role

Would give agent access to your Email.



- How Agent to help ?

* calender check for availability
* Agent helps to assist in writing.



Memory type	What is Stored	Human Example
1. Semantic	Facts	Things I learned in school.
2. Episodic	Experiences	Things I did.
3. Procedural	Instructions.	Instincts or motor skills

How it mapped to Agents:

1. Semantic ⟶ Facts about user or Customer of assistant or application

2. Episodic ⟶ Past agent actions

3. Procedural ⟶ Agent System Prompt.

Memories can be updated two paths

1. In the hot path ⟶ Instantaneous

2. In the background ⟶ Seperate process, 30 mins later memory is updated.

Let's apply memory type to Email Agent: