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 Concept	 What It Means	 Analogy
LLM (Language Model)	Core brain that understands & generates text.	 Human brain processing language.
Prompt / Instruction	The initial input that triggers the agent.	 Asking a question.
Parser	Breaks down the prompt into structured tasks.	 Cutting a recipe into steps.
Planner	Creates a sequence of steps to reach the goal.	 Writing a to-do list.
Reasoner	Decides the best way to solve each step.	 Choosing strategies for a puzzle.
Memory (Short-term)	Keeps track of current conversation/context.	 Notes during a meeting.
Memory (Long-term)	Stores knowledge across sessions.	 A personal journal/archive.
Knowledge Base	External info source (docs, DBs, APIs).	 Library you can consult.
Retrieval	Pulling relevant info from data/DBs.	 Googling facts quickly.
Embeddings	Turning text into vectors (numeric meaning).	 GPS coordinates for words.
Tools / APIs	External abilities (calculator, browser, code).	 Giving the brain extra gadgets.

Actions	Tasks the agent executes via tools.	 Pressing buttons to get things done.
Environment	The space the agent operates in (apps/ web).	 The real world around it.
Autonomy	Ability to take multiple steps without user.	 Working alone until job is done.
Orchestration	Coordinates memory, tools, reasoning.	 A conductor leading an orchestra.
Looping / Iteration	Repeating until the goal is reached.	 Trial & error until success.
Error Handling	Detects & fixes mistakes while running.	 Debugging code.
Evaluation / Feedback	Checks if results match the goal.	 Reviewing your homework.

An AI Agent = Brain (LLM) + Memory + Tools + Planner + Autonomy 