



PDF STUDY MATERIAL • UNCODEMY

Agentic AI Interview Questions

Notes, roadmaps and practice material, curated by the Uncodemy trainer team.



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Quick answer



Interviewers typically test your understanding of what makes a system an agent, tool calling, planning loops, memory, orchestration, evaluation and safety. Sample questions with short answers are below.



Clear concepts

Short, plain-language explanations



Hands-on practice

Examples and exercises to try yourself



Job-focused prep

Questions and checklists for interviews

What interviewers usually probe



What an agent is and how it differs from a chatbot.



Tool or function calling.



Orchestration: single vs multi-agent.



Memory and state.



Evaluation, guardrails and failure handling.

Sample interview questions



What is an AI agent?

A program that uses a language model to decide what to do next, calls tools such as search or APIs, observes the results and repeats until the goal is met or it must stop.



How is an agent different from a simple chatbot or RAG app?

A chatbot answers a message; a RAG app retrieves documents to answer. An agent can plan several steps, choose tools and act on the results. The difference is autonomy over multiple steps toward a goal.

Sample interview questions



What is the ReAct pattern?

ReAct alternates between reasoning and acting: the model reasons about what to do, takes an action using a tool, observes the result and then reasons again. It makes the loop explicit and easier to debug.



When would you use multiple agents?

When tasks divide naturally into specialised roles, such as research, writing and review. Multiple agents add coordination cost, so use one agent unless a clear benefit exists.

Sample interview questions



How do you keep an agent safe?

Limit tool permissions to the minimum needed, cap steps and cost, validate tool inputs and outputs, require human approval for risky actions, log all calls and test on realistic failure cases.



What is MCP?

The Model Context Protocol is an open standard for connecting AI applications to tools and data sources in a consistent way, so a tool can be exposed once and used by different applications.

Preparation tips



Build a small agent and be ready to explain every step.



Know the failure modes: loops, wrong tool use, over-permission.



Be ready to discuss evaluation, not just building.

How to use these PDFs



STEP 1

Read the roadmap

Start at the stage that matches your level.



STEP 2

Practise each topic

Try it yourself instead of only reading.



STEP 3

Revise key concepts

Use the tables before an interview or exam.



STEP 4

Move to the next stage

Go on when you can explain this one in your own words.

Your Agentic AI Interview Questions PDF set



2–3 PDF files, each its own download



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Frequently asked questions



What are common agentic AI interview questions?

Common topics are what an agent is, tool calling, the ReAct pattern, multi-agent design, memory, MCP, evaluation and safety guardrails.



How do you explain an AI agent in an interview?

Describe it as a system where a language model decides actions, calls tools, observes results and repeats until the goal is reached, within limits you set.



What is the difference between an agent and a chatbot?

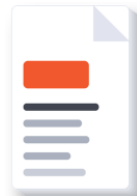
A chatbot responds to messages. An agent can plan multiple steps, use tools and act toward a goal, with a control loop and state.

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