



AN INTRODUCTION TO AI AGENTS WITH LANGCHAIN AND AZURE



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What are AI Agents?

Thought + Action

How do humans work?



Thought: I'd like to
learn about Python



Action: I'll look
up Python
meetups in
London

How do humans work?



Thought: The London
Python group is
meeting tonight

Action: I'll sign up to attend!

SIGN UP



THOUGHT

Thought involves: determining what to do, creating a list of tasks and then it's prioritising and ordering tasks



ACTION

Action involves: using tools like Search API, Python Repl, calculator etc.



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AGENTIC BEHAVIOUR

- Propose action: the LLM generates text to respond directly to a user or to pass to a function.
- Execute action: your code invokes other software to do things like query a database or call an API.
- Observe: react to the response of the tool call by either calling another function or responding to the user.

What is an AI Agent?

LLM + Tools



THANK YOU

Code:

<https://github.com/marlenezw>

Follow me: @marlene_zw