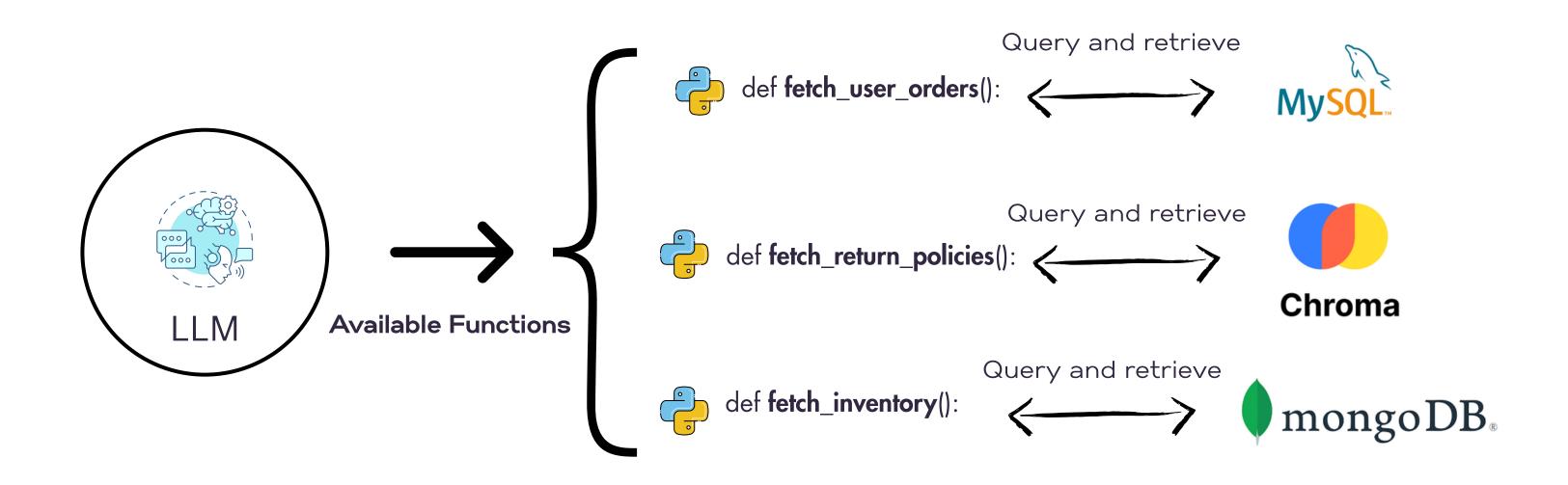
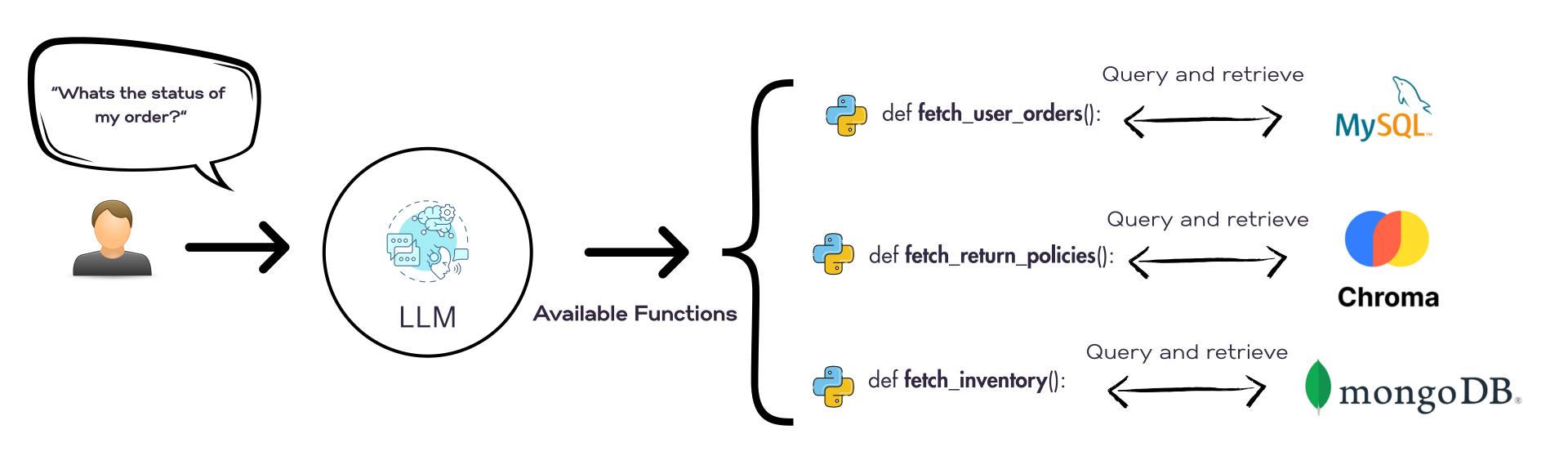
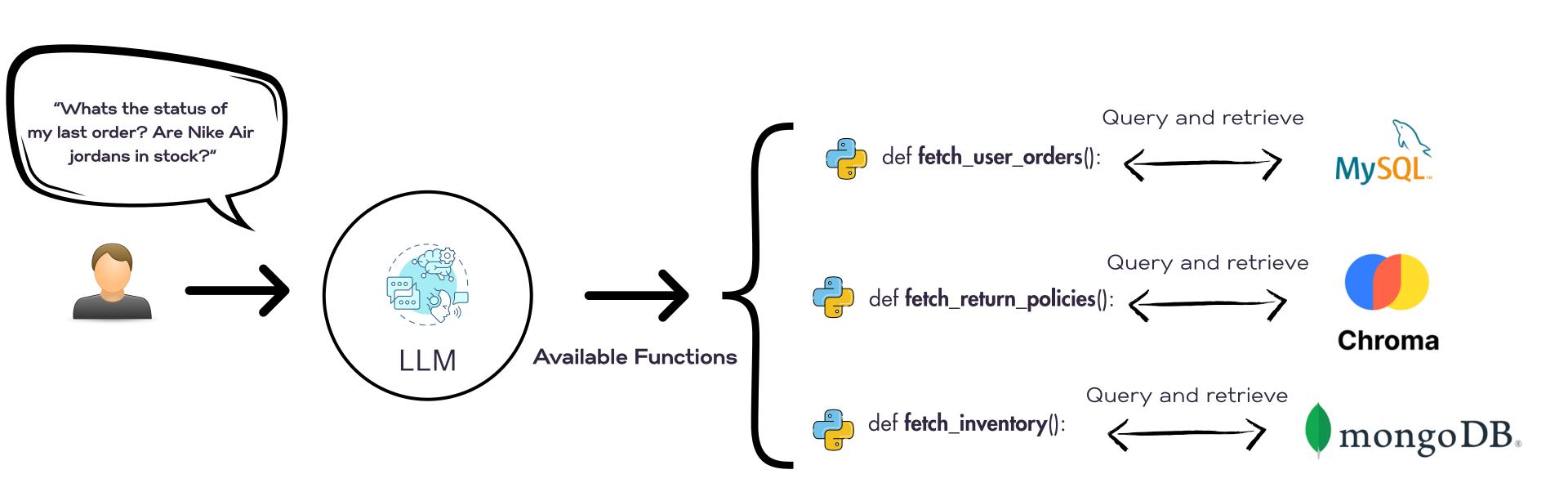
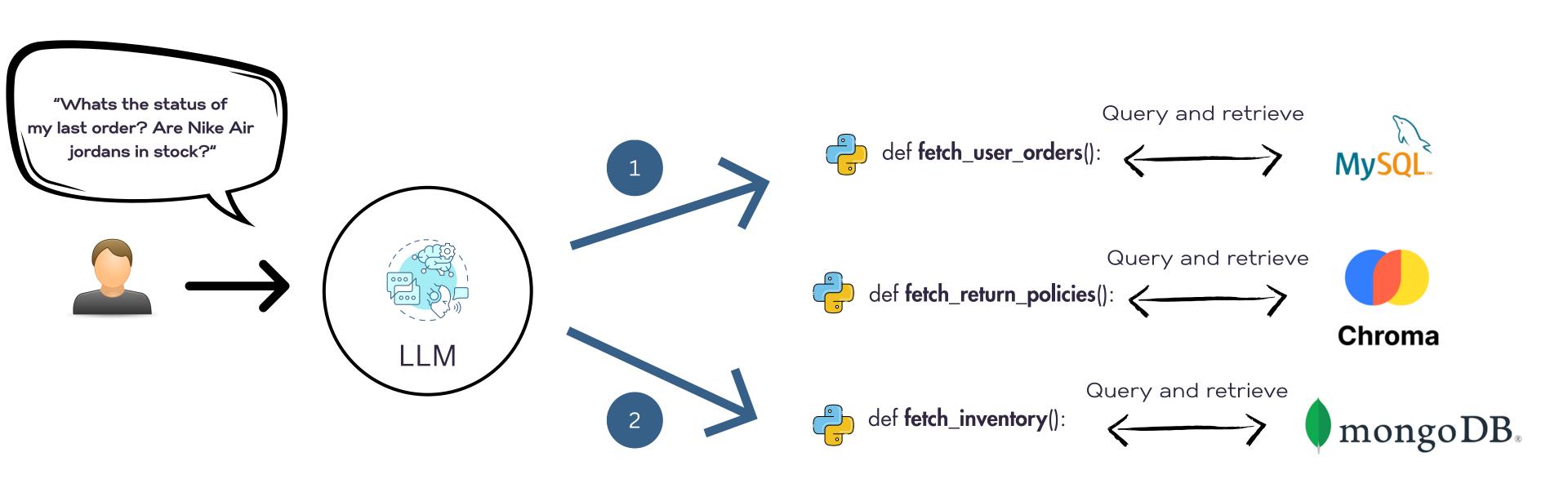
- Function calling allows large language models (LLMs) to interact with external tools and APIs by intelligently determining when and how to call specific functions with appropriate parameters.
 - External APIs
 - Databases
 - Search engines
 - Python Functions
- Function calling involves providing the LLM with a description of available functions, including their
 - Function Names
 - Input Arguments with data types
 - Expected outputs with data types
- In **Function calling** the **LLM** analyzes user prompts and determines if a function needs to be called to fulfill the request.

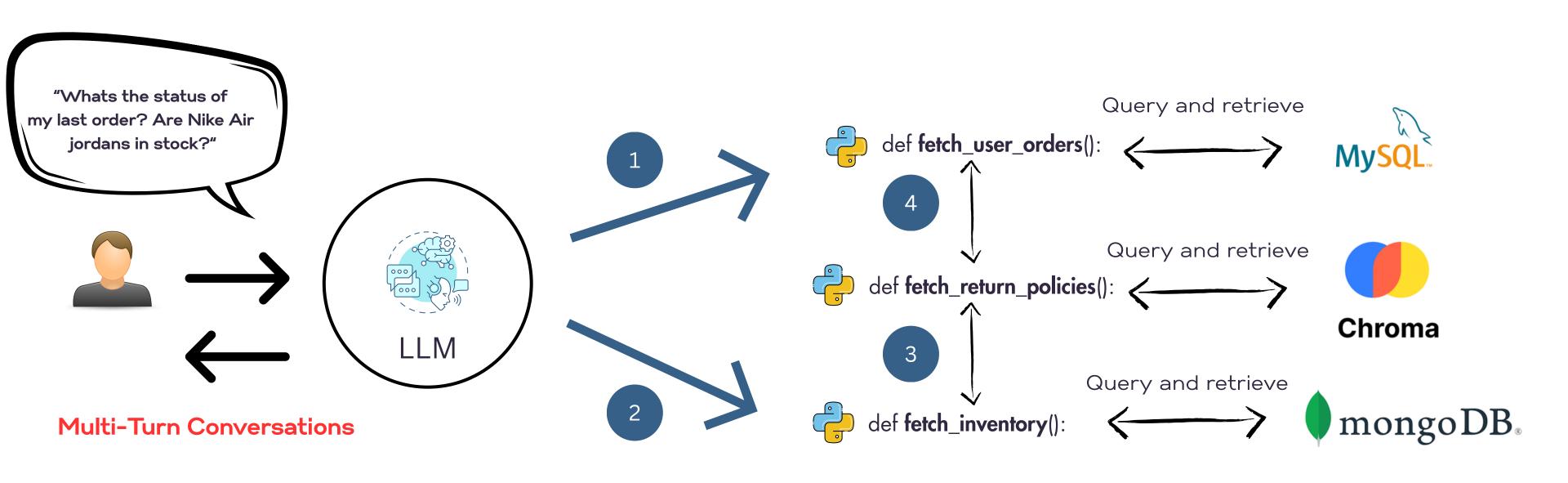












Orchestration is the process of coordinating various components to execute complex tasks.

Why is orchestration necessary with function calling?

- Not all data can/should be vectorized
- Extending Capabilities
- Enhancing Accuracy and Reliability
- Enabling Complex Workflows