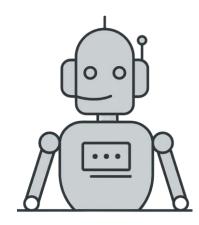# **Reflection**

AI = Intelligent computer programs that can perceive, reason, learn, and act in complex environments (Russell & Norvig, 2022)

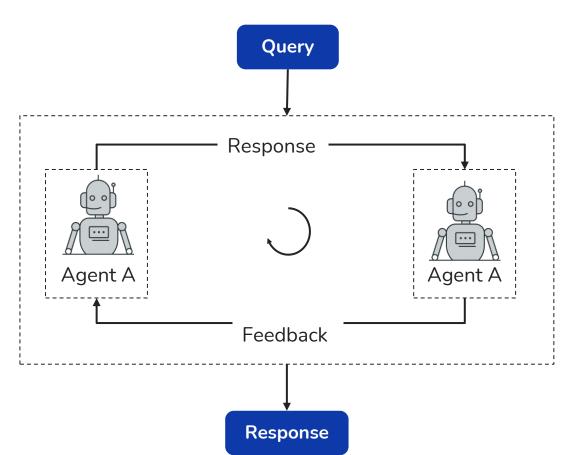## Agenda

In this session, we will discuss:

- Building Agentic AI systems using
  - Self-Reflection
  - Expert Intervention

Self-Reflection

Self-Reflection

Query

Response

Agent A

Agent A

Feedback

Response

Self-reflective agents iteratively refine their own answer based on an assessment of: adherence to instructions and quality of response.

Execution concludes either when a fixed number of iterations are done or when no further improvement is possible.
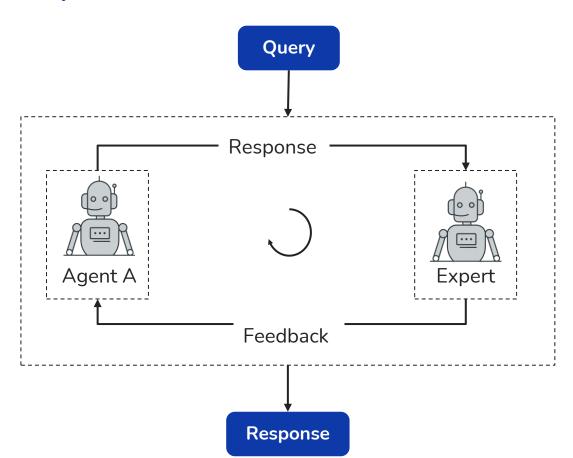
Implementing a self-reflecting RAG Agent

Expert-Intervention

Expert Intervention

Expert-guided agents iteratively refine their answer based on pointed feedback from an expert. Experts either have a gold response or have a clear rubric to validate responses.

Execution concludes either when a fixed number of iterations are done or when no further improvement is possible.

Hands-on

Implementing an expert-guided AI Tutor for Employee Training

Thank You