

Summary and Highlights

Congratulations! You have completed this module. At this point, you know that:

- CrewAI is designed for multi-agent collaboration, with agents assigned clear roles and tasks to simulate human-like teamwork
- Tools are standard components in AI workflows (for example, APIs and search engines) that can be used by either the Agent or the Task.
- The Crew object combines agents, tasks, the LLM, and tools into a coordinated workflow.
- CrewOutput captures the final result, task outputs, and token usage, giving a full snapshot of what was generated and its cost
- CrewAI lets you build multi-agent workflows by defining agents with specific roles, goals, and tasks, then grouping them in a Crew for sequential execution
- YAML allows you to define agents and tasks outside of Python, simplifying updates without touching code
- The @CrewBase decorator loads YAML-defined components as methods, making them easy to call and integrate into a Python script or notebook
- Custom functions enhance CrewAI by enabling domain-specific tools that improve flexibility and control
- An agent-centric workflow assigns tools directly to the agent, letting them choose the best tool based on the query
- A task-centric workflow attaches tools to individual tasks, guiding the agent step by step through a fixed process

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