

## Topics For Exams

**Note:** This is the list of topics you need to prepare for the examination. Every topic is important, and their complete details along with implementations can be found in the official OpenAI Agents SDK documentation and our Panaversity GitHub repository.

**Documentation:** <https://openai.github.io/openai-agents-python/>

**Repo:** [https://github.com/panaversity/learn-agentic-ai/tree/main/01\\_ai\\_agents\\_first](https://github.com/panaversity/learn-agentic-ai/tree/main/01_ai_agents_first)

- Agent
- Agent Configuration
- Handoff
- Tools
- Context
- Streaming
- Guardrails
- Tracing
- Orchestrating Multiple Agents
- Model Settings (Top P, Top K, temperature, tool choices, etc.)
- Hooks ( *Agents and Run Level* )
- *Structure Output*

## Some advance topics from Agents, Handoff , Runner and Tools

### Agents

- Dynamic Instructions
- Output Types
- Cloning
- Model Settings (e.g., `tool_choice`, `parallel_tool_calls`, `temperature`, `top_p`, `top_k`, `frequency_penalty`, `presence_penalty`)
- `tool_use_behaviour`
- `Reset_tool_choice`

## Handoff (Using the **handoff()** Function)

- input\_type
- input\_filter
- is\_enabled
- on\_handoff

## Runner

- Custom Runner
- Max Turns
- Context
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## Tools

- name\_override
- description\_override
- is\_enabled
- failure\_error\_function
- Agent as Tools (*especially custom\_output\_extractor*)
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## Prompt Engineering (GPT-4.1 Prompting Guide)

(only if time allows otherwise these can be given as homework )

Link:

[OpenAI GPT-4.1 Prompting Guide](#)

[Kaggle Whitepaper on Prompt Engineering](#)

Markdown Guide:

[Markdown Basic Syntax](#)

[Markdown Cheat Sheet](#)