GenForge — Forging the Future of Agentic AI

AI Alchemy Hub

Transforming Business with AI

Embark on a journey of discovery and growth with us. We demystify AI and emerging technologies, empowering businesses to thrive.

Day 01 / Lecture 01 / Quiz 1 : Foundations, Orientation & Environment Setup

Choose the most appropriate answer for each question. Only one option is correct.

1. What is the primary distinction between GenAI and traditional AI?

- A. GenAI focuses on data storage while traditional AI focuses on generation
- B. GenAI models are rule-based, traditional AI uses neural networks
- C. GenAI generates new content, traditional AI focuses on classification or prediction
- D. GenAI is used only for images, traditional AI is used for text

2. Which of the following best describes an Agentic AI system?

- A. A model that only responds to prompts
- B. A system that generates images from text
- C. An AI that autonomously uses tools, memory, and reasoning to complete tasks
- D. A chatbot that answers FAQs

3. What is a 'few-shot' prompt?

- A. A prompt with no examples
- B. A prompt with a few guiding examples
- C. A prompt that uses only code
- D. A prompt that includes images

4. What is the primary goal of the launch session in the GenForge course?

- A. To explore advanced agentic workflows
- B. To complete a capstone project
- C. To evaluate student performance
- D. To configure the local environment and introduce core tools

5. Which of the following is NOT one of the four prompt delivery methods introduced?

- A. Web UI
- B. Excel Macro
- C. CLI
- D. Python API

6. Why is reproducibility emphasized in this course?

- A. To avoid using open-source tools
- B. To simplify the installation process
- C. To ensure consistent results and professional habits
- D. To reduce the number of lectures

7. Which platform is used to host GenAI apps with an interactive UI?

- A. GitHub Pages
- B. LangChain Hub
- C. Streamlit Cloud
- D. Google Colab

8. What is the recommended way to avoid unintended context ingestion when using Gemini CLI?

- A. Disable internet connection
- B. Use project-specific folders
- C. Install it on a virtual machine
- D. Run it in the system root directory

9. Which of the following tools is used to run local LLMs on personal machines?

- A. LangChain
- B. Ollama
- C. Gemini CLI
- D. Streamlit

10. What does the `requirements.txt` file primarily help with?

- A. Launching Streamlit dashboards
- B. Managing Git commits
- C. Reproducible Python environment setup
- D. Connecting to MySQL databases

11. Which script validates whether Node.js is installed correctly?

- A. `test_requirements.py`
- B. `test_node_hello_world.js`
- C. `test_git_config.sh`
- D. `test_streamlit.py`

12. Gemini CLI is primarily used for:

- A. GUI-based prompt testing
- B. Running local LLMs via Ollama
- C. Command-line prompt delivery
- D. Managing Python dependencies

13. Which framework is used to build interactive GenAI dashboards in Python?

- A. Flask
- B. LangChain
- C. FastAPI
- D. Streamlit

14. What is the purpose of `test_git_config.sh` in this lab?

- A. Launching LangChain chains
- B. Verifying Git identity and GitHub linking
- C. Testing MySQL connectivity
- D. Running Gemini CLI prompts

15. Which script wraps LangChain in a RESTful API?

- A. `test_langchain_streamlit.py`
- B. `test_langchain_prompt.py`
- C. `test_langchain_fastapi.py`
- D. `test_requirements.py`

16. Which tool is used to simulate SQL-backed prompt workflows?

- A. Ollama
- B. LangChain
- C. XAMPP
- D. FastAPI

17. Which of the following is NOT a CLI-based tool?

- A. Gemini CLI

- B. Ollama
- C. LangChain
- D. LLM Studio

18. What does the script `test_requirements.py` check for?

- A. Installed Node.js packages
- B. Installed Python packages
- C. Installed GitHub repositories
- D. Installed MySQL databases

☐ Answer Key

1. C
2. C
3. B
4. D
5. B
6. C
7. C
8. B
9. B
10. C
11. B
12. C
13. D
14. B
15. C
16. C
17. D
18. B

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