

Advanced Prompt Engineering & AI-Augmented Development – Quiz

Instructions:

- Each question has **4 options (A–D)**.
- Select the **best answer** based on what you learned in the session.
- Designed for developers, DBAs, and DevOps engineers (1–5 years experience).

1 Which of the following is NOT one of the 5 Golden Rules of Prompt Engineering?

A) Clarity

B) Context & Constraints

C) Role Assignment

D) Maximum Token Usage

2 Why is "Role Assignment" important in prompts?

A) It makes the prompt longer and complex

B) It tells the AI which expertise level to apply

C) It increases token consumption for testing

D) It avoids formatting errors in JSON output

3 In the context of safe DevOps prompting, which command should the AI avoid suggesting without explicit safety checks?

A) `mkdir logs_backup`

B) `rm -rf /var/log/*`

C) `tail -f application.log`

D) `du -sh /tmp`

4 Which ChatGPT setting ensures your chats are NOT used for model training?

A) Turning on Memory

B) Enabling Connectors

C) Data Controls → Disable "Improve the model for everyone"

D) Low Temperature setting

5 What is the main advantage of Few-Shot prompting?



A) It removes the need for clarity and context



B) It teaches AI the output structure via examples



C) It allows the model to guess formats creatively



D) It avoids step-by-step reasoning for debugging

6 What is a recommended trait for developers using ChatGPT?



A) Suggest destructive commands by default



B) Return concise, production-ready, KISS-compliant code



C) Avoid structured formats to save tokens



D) Prioritize long, theoretical explanations

7 What is the purpose of RAG (Retrieval-Augmented Generation) in legacy code mapping?

1

A) To create synthetic data for DB testing

2

B) To retrieve relevant code context for better documentation

3

C) To disable connectors for privacy

4

D) To validate JSON schema in structured outputs

8 When using connectors (GitHub, Drive) in ChatGPT, what's a best practice?

1

A) Grant full read-write permissions for speed

2

B) Share real API keys in prompt examples

3

C) Keep connectors read-only and review permissions

4

D) Disable MFA to avoid delays in connecting

9 Which prompt demonstrates proper Context & Constraints?

A) "Fix this function now."

B) "You're a senior Python dev. This legacy file uploader crashes on files >100MB. Fix memory issue while keeping API unchanged."

C) "Optimize code quickly."

D) "Make this better."

10 What's the main reason to build custom GPTs for your team?

A) To replace all developers with AI

C) To get random AI experiments in code reviews

B) To create reusable, specialized assistants for real workflows

D) To bypass company security policies