Course Information

Course Title: Prompt Engineering

Module: Introduction to Prompt Engineering

Lesson: Prompt vs traditional programming

Exercise Type: Scenario-Based Assessment

Difficulty Level: Beginner

Estimated Completion Time: 30 Minutes

🎯 Learning Objectives

After completing this exercise, the learner will be able to:

- Define Prompt Engineering clearly
- Identify components of an effective prompt
- Differentiate between weak and strong prompts
- Apply structured prompting technique

📝 EXERCISE QUESTIONS

Exercise 1 – Improve the Prompt (Easy)

Poor Prompt:

Explain traditional programming.

Task:

Rewrite this prompt by adding:

- Target audience
- Length
- Format (example or comparison)

Exercise 2 – Convert Poor Prompt to Good Prompt (Easy–Medium)

Poor Prompt:

Compare programming and AI.

Task:
Improve this prompt by clearly adding:

- What type of comparison (table / paragraph / bullet points)

- Target audience

- Length

- Tone (simple, technical, etc.)

Exercise 3 – Add Context, Task, Constraints (Medium)

Basic Prompt:

Give an example of prompting.

Task:
Rewrite this into a structured prompt suitable for a training session for beginners. Add:

- Audience

- Type of example

- Word limit

- Tone

Exercise 4 – Scenario-Based Exercise (Medium)

Scenario:
You are preparing a training session for college students about the difference between traditional programming and prompt-based AI.

Task:
Write a complete structured prompt asking AI to create:

- A 5-slide presentation

- With simple explanations

- Including one example for each concept

Exercise 5 – Scenario-Based (Medium)

Scenario:
A beginner student is confused about when to use traditional programming and when to use prompting.

Task:
Write a structured prompt asking AI to:

- Explain both concepts clearly

- Provide real-life examples

- Keep the explanation simple

- Limit it to 200 words

✍ Response Area

Answer 1:

Answer 2:

Answer 3:

Answer 4:

Answer 5:

📊 Evaluation Rubric

Criteria	Excellent	Good	Needs Improvement
Concept Clarity	Clear & well-articulated	Adequate	Limited
Prompt Structure	Fully structured	Partially structured	Weak
Practical Application	Professional & usable	Acceptable	Needs refinement
Analytical Thinking	Insightful	General	Basic