

AI ALIA – An Initiative by SOFTECH

Professional Learning Solutions

Course Information

Course Title: Prompt Engineering
Module: Prompting Techniques
Lesson: Case Study
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
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EXERCISE QUESTIONS

Exercise 1 – Zero-Shot Prompting

Scenario:

You are a college student preparing for semester exams.
You want general study advice from AI without giving any example or format.

Question:

Write a zero-shot prompt to ask AI:
“How should I prepare effectively for semester exams?”

✓ Exercise 2 – One-Shot Prompting

Scenario:

You are creating simple learning content for school students.
You want AI to give short, easy, action-based answers.

You first show this example:

Q: How to stay healthy?

A: Eat nutritious food, exercise daily, and sleep on time.

Question:

Using the above example, write a one-shot prompt to ask:
“How to prepare for exams?”

✓ Exercise 3 – Few-Shot Prompting

Scenario:

You are designing a student guidance handbook.
You want AI to provide consistent, structured advice in short bullet-style sentences.

Question:

Create a few-shot prompt by giving TWO similar Q&A examples first.
Then ask:
“How to prepare for exams?”

✓ Exercise 4 – Role Prompting

Scenario:

You are preparing motivational academic guidance for students.

You want AI to respond like a supportive school teacher giving clear and encouraging advice.

Question:

Write a **role-based prompt** asking AI to explain:

“How should students prepare effectively for semester exams?”

(Your prompt should clearly assign a role.)

✔ **Exercise 5 – Step-by-Step Prompting**

Scenario:

You are creating beginner-friendly study guidance content for first-year college students. You want the explanation to be structured in clear, logical steps so students can easily follow it.

Question:

Write a **step-by-step prompt** asking AI:

“How should I prepare effectively for semester exams?”

(Your prompt must clearly instruct the AI to respond in ordered steps.)



🚩 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