

AI ALIA – An Initiative by SOFTECH

Professional Learning Solutions

Course Information

Course Title: Prompt Engineering

Module: Introduction to Prompt Engineering

Lesson: Large Language Model

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 Large Language Model(LLM) clearly
 - Understand How LLMs Generate Answers
 - Understanding How LLMs Learn
 - Real-Life Prompt Engineering Challenge
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EXERCISE QUESTIONS

Exercise 1:

Scenario:

You are building a study assistant for college students.

A student says:

“I don’t understand photosynthesis.”

You want the AI to:

Explain it clearly Use

simple language

Give a short example Keep

it under 120 words

Task:

Write a prompt that would guide the AI to generate the best possible answer.

Exercise 2:

Scenario:

You are designing an AI assistant trained mostly on formal academic writing.

Now a start-up founder asks:

“Explain blockchain technology casually like you're talking to a friend.”

You notice the AI keeps responding in very formal academic language.

Task:

Write a prompt that would:

Override the formal tone

Make the explanation conversational

Include a real-life example

Avoid technical jargon

Exercise 3:

Scenario:

You are creating an AI budgeting assistant.

User says:

“I spend money on food, travel, and subscriptions. Help me save money.” But

you want the AI to:

Think step-by-step

Analyze spending categories separately

Suggest practical reductions Ask 2

clarifying questions at the end

Task:

Write a detailed prompt that guides the AI to generate a structured, step-by-step financial analysis.

📌 Response Area

Answer 1:

Answer 2:

Answer 3:



 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