

Chapter 1. Understanding ChatGPT Prompt Engineering

Exercise 1: What is Prompt Engineering and Why is it Important?

The point of this exercise is to ensure that you understand what ChatGPT prompt engineering is and why it is so important. Please answer the following questions:

How would you describe ChatGPT and prompt engineering?

Why is AI prompt engineering so important?

How does prompt engineering improve AI responses?

Why are context, specificity, and desired outcomes important in prompt engineering?

Chapter 2. Understand the Benefits of Mastering Prompt Engineering

Exercise 2: Inspire yourself to take action with the benefits of mastering prompts

Be fully aware of the major benefits of mastering ChatGPT prompt engineering to inspire and motivate you to take daily action. Please answer the following questions:

What are the five hidden benefits of mastering ChatGPT prompt engineering?

Why is it important to leverage personalized user experiences with your prompts?

How can your prompts increase engagement and customer satisfaction?

What career and business opportunities will be open to you when you master prompt engineering?

Chapter 3. Understand Prompt Engineering Terminology

Exercise 3: Have a good grasp of Prompt Engineering Terminology

The aim of this exercise is to check your understanding of important prompt engineering terminology. Please answer the following questions:

Explain the 3 foundational terms – Chat Models, System Messages, User Messages

Explain tokens and tokenization

What is the difference between “prompt by example” and “direct prompting”?

What is “Temperature” in prompt engineering?

What are “top p” and “top k” in prompt engineering?

Why is it so important for you to understand prompt engineering terminology?

Chapter 4. Fundamental Principles of Chat GPT Prompt Engineering

Exercise 4: Understanding the Fundamental Principles of ChatGPT Prompt Engineering.

Your journey to mastery begins with understanding the fundamental principles of ChatGPT prompt engineering. Please answer the following questions:

Why are clarity and specificity so important for your prompts?

What are the benefits of using context in your prompts?

Why is it important to use conversational language in your prompts?

How does incorporating limitations and constraints help your prompts?

What are the best practices for ongoing prompt refinement?

Chapter 5. Advanced Techniques for ChatGPT Prompt Engineering

Exercise 5: Advanced techniques for the best ChatGPT Prompts

There are advanced techniques that you can use to create the best ChatGPT prompts that will elicit the best responses. Please answer the following questions:

Why are advanced ChatGPT prompts so important to master?

Why should you use ChatGPT prompt hacks?

How do you use advanced context and specificity?

Why is leveraging pre-training and fine-tuning important?

How do you plan to experiment with different prompt formats and structures?

How will you use “controlled output” and “explicit constraints”?

Chapter 6. Using Prompts to Generate Code with ChatGPT

Exercise 6: Generating the Best Code with Prompts

You can use ChatGPT to generate code using different coding languages for applications that you need. Please answer the following questions:

How will you use ChatGPT prompts to generate code?

How can you optimize your prompts for the best code generation?

How can you tailor your prompts to instruct ChatGPT to use different programming languages?

What are the challenges and limitations of ChatGPT code generation?

Chapter 7. Using ChatGPT for Data Generation and Analysis

Exercise 7: Getting the best results from Data Generation and Analysis

You can use ChatGPT prompts to generate data and analyze it. Please answer the following questions:

Why should you use ChatGPT for data generation?

Why do you need to understand ChatGPT biases and limitations when analyzing data?

How will you craft the best prompts and instructions for data generation and analysis?

How can you improve ChatGPT-Generated data through your prompts?
