

How to Write Good Prompts

Instructor

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What Makes a Good Prompt?

What makes a good prompt. Make the answer concise and give an example also.



A good prompt is clear, specific, and provides enough context for the AI to understand the task. It avoids ambiguity and includes constraints or examples when necessary.

Example of a Good Prompt:

Task: Write a customer feedback response.

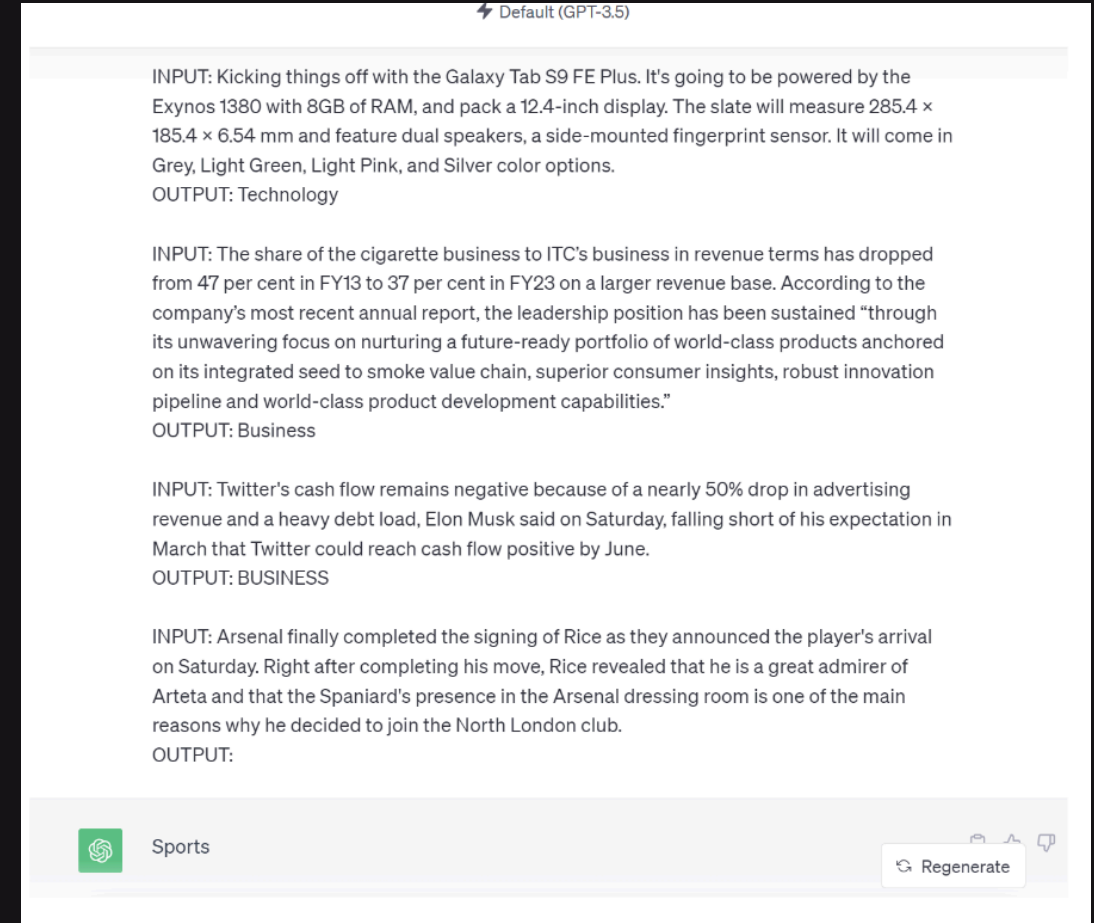
Prompt: "Write a professional and empathetic email apologizing for a delayed shipment of a laptop. Offer a 10% discount on the next purchase as compensation."

Why it's Good:

- **Clear task:** Writing an apology email.
- **Specific context:** Delayed shipment of a laptop.
- **Defined constraints:** Professional tone and 10% discount offer.

How to Write Good Prompts?

- Be specific and clear based on the task at hand
- Provide contextual information for the task
- Use correct spelling and grammar
- Treat it as a conversation, ChatGPT / other LLM platforms can remember past discussions (to a certain extent); APIs you need to manage memory
- Iterate and reword your prompts with experimentation
- Don't hesitate to provide examples
- Leverage prompt engineering patterns if needed



Good vs. Bad Prompting Practices

Aspect	How to Write Good Prompts	How Not to Write Prompts
Clarity	Be explicit about the task and the desired outcome.	Use vague or generic instructions.
Specificity	Include detailed context or constraints (e.g., format, tone).	Provide insufficient or ambiguous details.
Structure	Use step-by-step instructions if needed.	Overload the prompt with multiple unrelated tasks.
Audience Awareness	Specify the target audience or purpose of the response.	Assume the AI understands implicit or broad context.
Tone & Style	Indicate the desired tone or style (e.g., formal, casual).	Leave tone and style undefined, leading to mismatched output.
Examples (if needed)	Provide examples to guide the AI's understanding.	Avoid examples, even for complex tasks.
Constraints	Define word limits, format, or specific requirements.	Ignore constraints, resulting in unpredictable outputs.

Good vs. Bad Prompt Examples

Good Prompt	Bad Prompt
"Summarize this article in 100 words for a tech-savvy audience."	"Summarize the article briefly without missing key points."
"Write a friendly thank-you email to a customer for their feedback on our product."	"Draft an email thanking someone for their feedback."
"Generate a Python script that calculates the factorial of a number using recursion. Ensure the script includes error handling for invalid inputs (e.g., negative numbers, non-integer inputs) and includes comments explaining each step."	"Write a Python program that calculates the factorial of a number and handles errors."

Good vs. Bad Prompt Examples

Good Prompt	Bad Prompt
"Design a step-by-step plan for integrating a generative AI model into an e-commerce website, including tasks such as selecting the appropriate model, preparing the dataset, training the model, and deploying it to generate real-time product recommendations. Provide strategies for monitoring performance and improving recommendation accuracy over time."	"Describe how to add AI-based product recommendations to an e-commerce site."
"Create a 5-slide presentation outline explaining the impact of generative AI in transportation logistics, including cost savings and efficiency improvements."	"Prepare a presentation about the effects of AI in transportation logistics."
"Write a technical guide explaining how to fine-tune a language model using a dataset, with detailed steps for preprocessing, training, and evaluation."	"Explain how to fine-tune a language model for a specific dataset."

Thank You
