

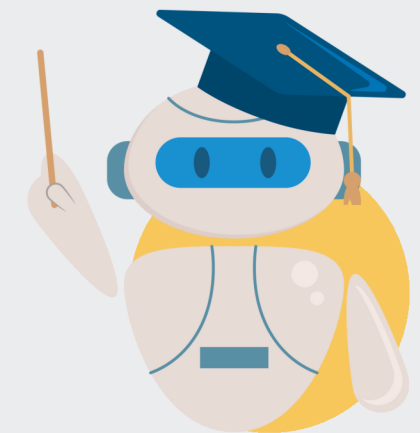


# Prompting



## What is Prompt Engineering?

Prompt Engineering is the art of talking to an AI in a clear, specific, and smart way to get the best possible answer. Think of it like giving instructions to a very smart assistant you get what you ask for, so ask well.





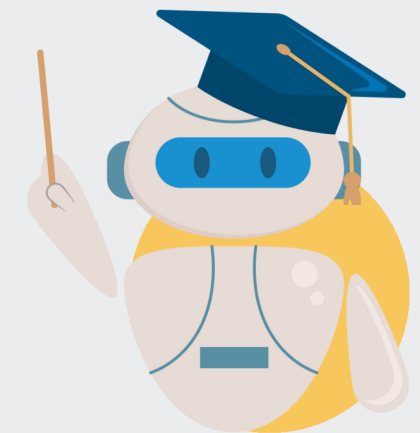
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## Why Prompting Matters

A prompt is simply your message to the AI—a sentence, question, or instruction. The clearer your message, the better the result.

- Vague prompt → Confused AI
- Clear + Specific prompt → Accurate and helpful AI



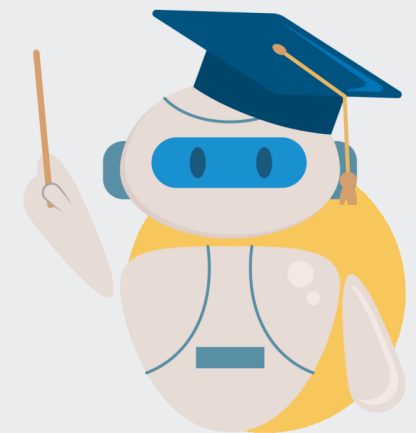


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## The 5-Step Formula to Write a Perfect Prompt

- 1. Text: Say what you want clearly. Use action words like “explain,” “summarize,” “list,” “fix,” etc.
- 2. Context: Share background info (project, topic, goal).
- 3. References: Give examples or styles you like.
- 4. Evaluation: Check if the output meets your standard.
- 5. Iteration: Refine and improve the prompt step-by-step.



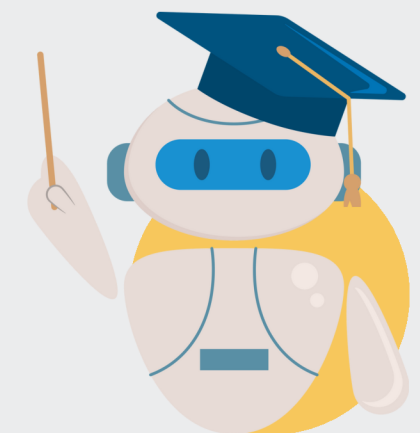


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## Best Practices & Hacks for Better Prompts

- 1. Be Clear
  - Bad: “Help me” ● Good: “Help me fix my CSS layout. My flex items are not centered.”
- 2. Be Specific
  - Bad: “Tell me about AI” ● Good: “Explain what AI is, with 2 examples and in 3 sentences.”
- 3. Add Context
  - Tell the AI what you’re working on. ● Example: “I’m making a landing page with Tailwind CSS, but the navbar overlaps the hero section.”





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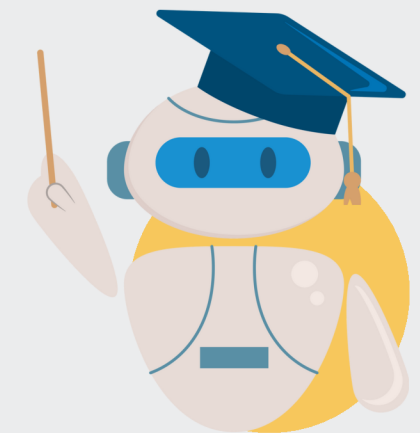
## 4. Ask One Thing at a Time

- Split big prompts into smaller chunks. ●

Better flow, better results.

## 5. Use constraints when giving the instruction

- “Keep the answer under 100 words.” ●
- “Return the answer in Arabic language”





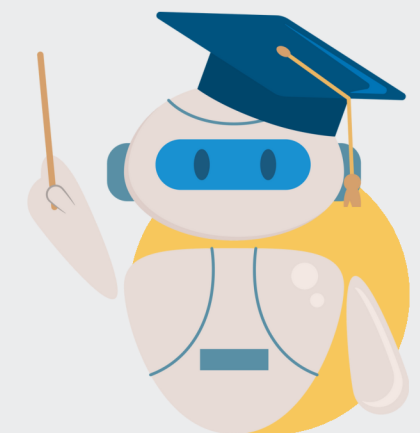
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## Advanced Prompting Techniques

Prompt Chaining uses the output from one prompt as input for the next.

- Step 1: “Summarize this article.”
- Step 2: “Turn that summary into a tweet thread.” Chain-of-Thought Prompting Ask the AI to think step-by-step.
  - Prompt: “Explain how to solve this math problem step-by-step.” Meta Prompting Let the AI guide itself.
  - Prompt: “Ask me questions to figure out the best title for my blog.”



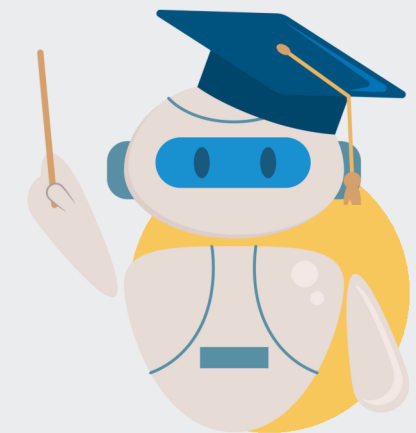


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## Choose the Right AI for the Job

- **AI Model Best For GPT-4:** Reasoning, creativity, writing
- **Claude:** Ethical questions, formal tasks
- **Gemini:** Fast tasks, current web data



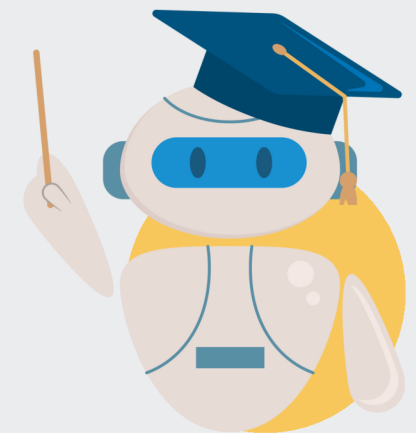


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## Common Mistakes to Avoid

- Too general: “Tell me something.”
- Too long: 5 questions in 1
- No context: “Fix my code” (but you didn’t give the code)





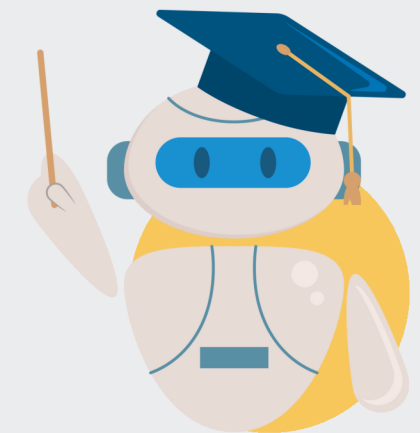


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## Final Tips to Master Prompting

- Practice often. The more you prompt, the better you get.
- Refine your prompt if the result isn't perfect.
- Stay curious: test prompts, styles, and questions.





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## Fun Prompt Starters

- “Explain [topic] like I’m 10.”
- “What’s a creative idea for a pottery brand logo?”
- “Give me 3 startup ideas for students.”
- “Help me write a LinkedIn post for my new job.”

