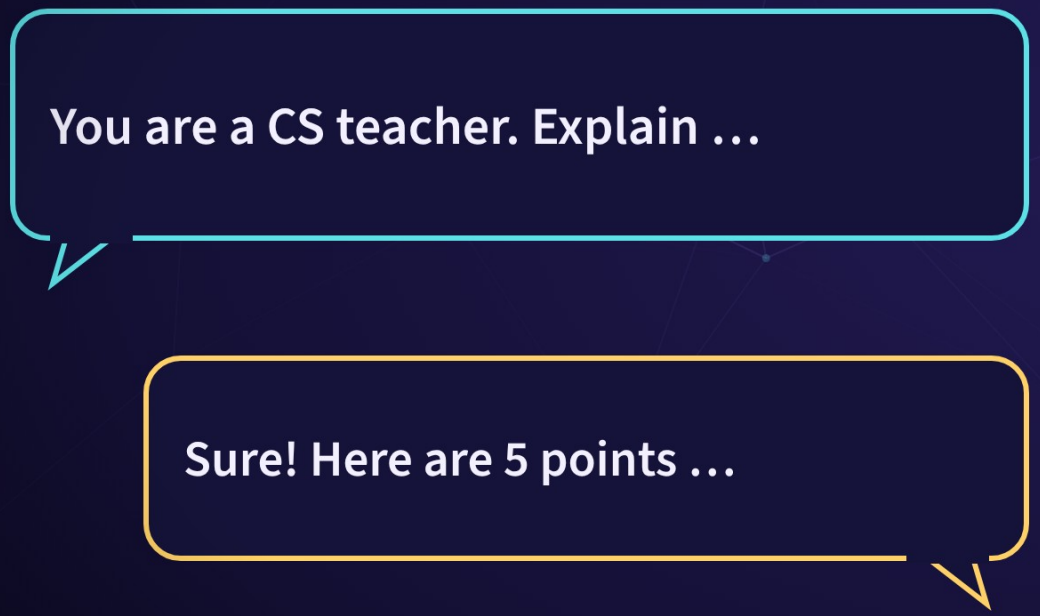
write about Linux



You are a teacher. 5 bullets, 1 example each…

PROMPT

Better Answers



A MYWEBUNIVERSITY SERIES

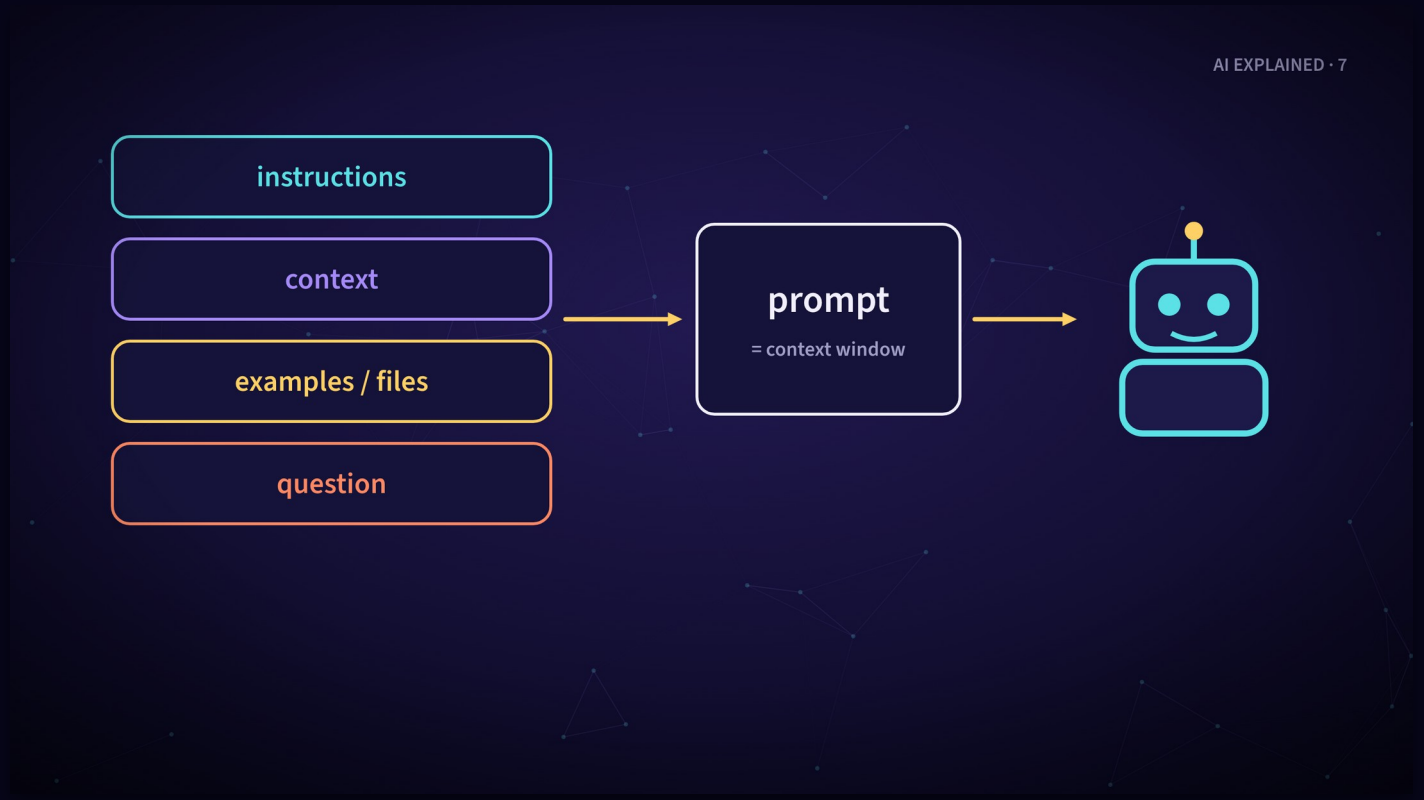
AI EXPLAINED

EPISODE 7

Prompt Engineering

talk to AI, get great answers

What Is a Prompt?



- Prompt = instructions + context + examples + question
- Only what is in the context window counts

01

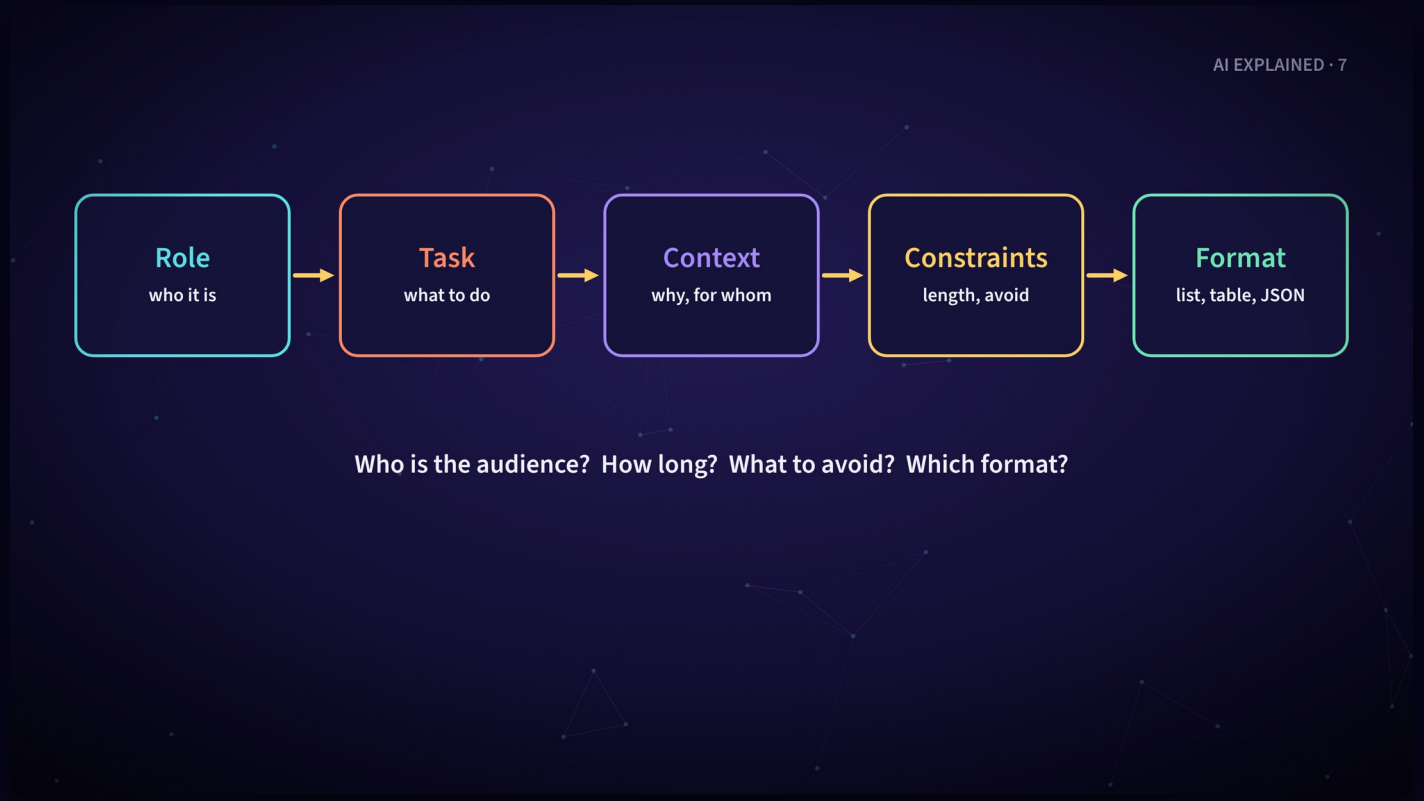
A Weak Prompt and a Strong Prompt



- Weak: “write about Linux”
- Strong: role + audience + length + format + example

02

The Parts of a Great Prompt



- Role · Task · Context
- Constraints · Output format

03

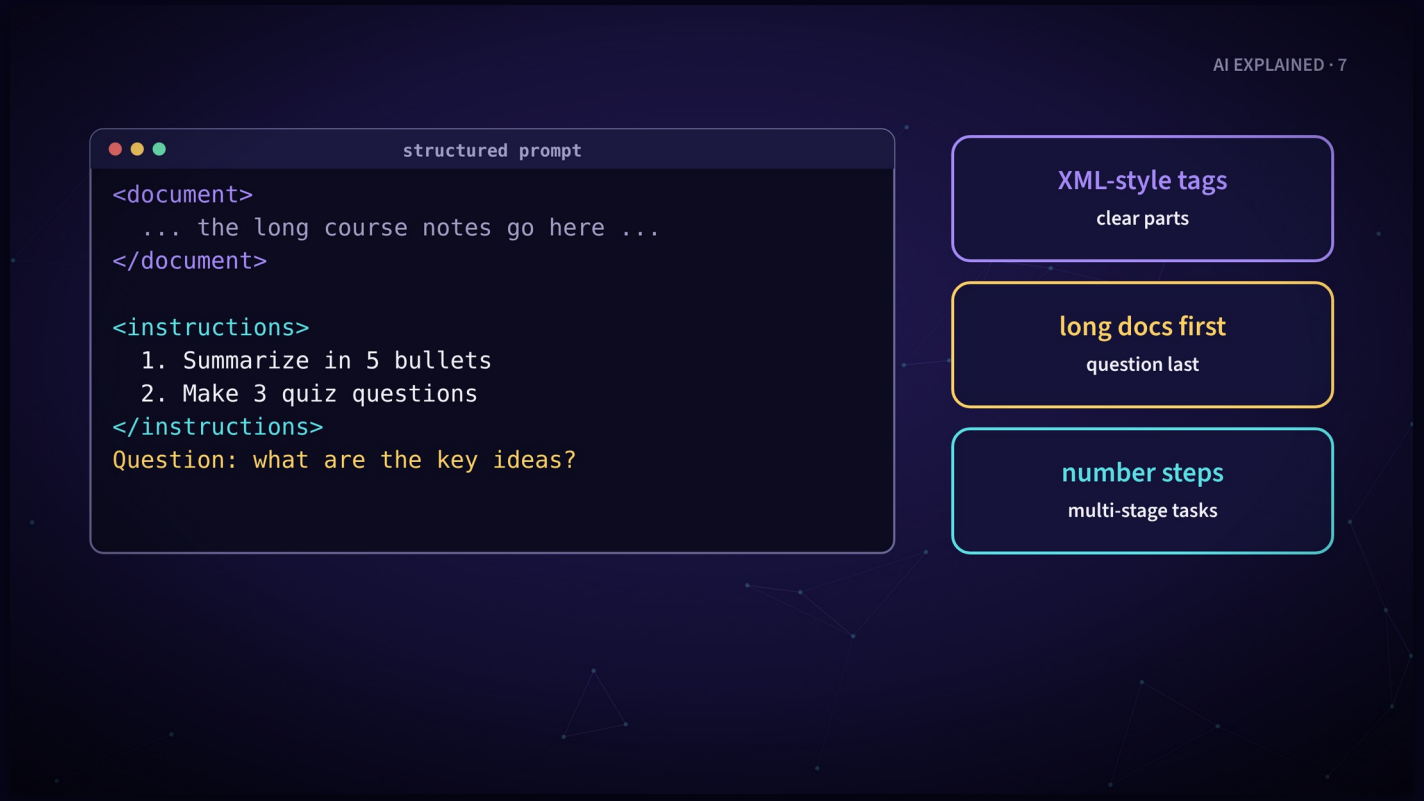
Show Examples



- Few-shot: show 1–3 examples
- “Make 10 more like these”

04

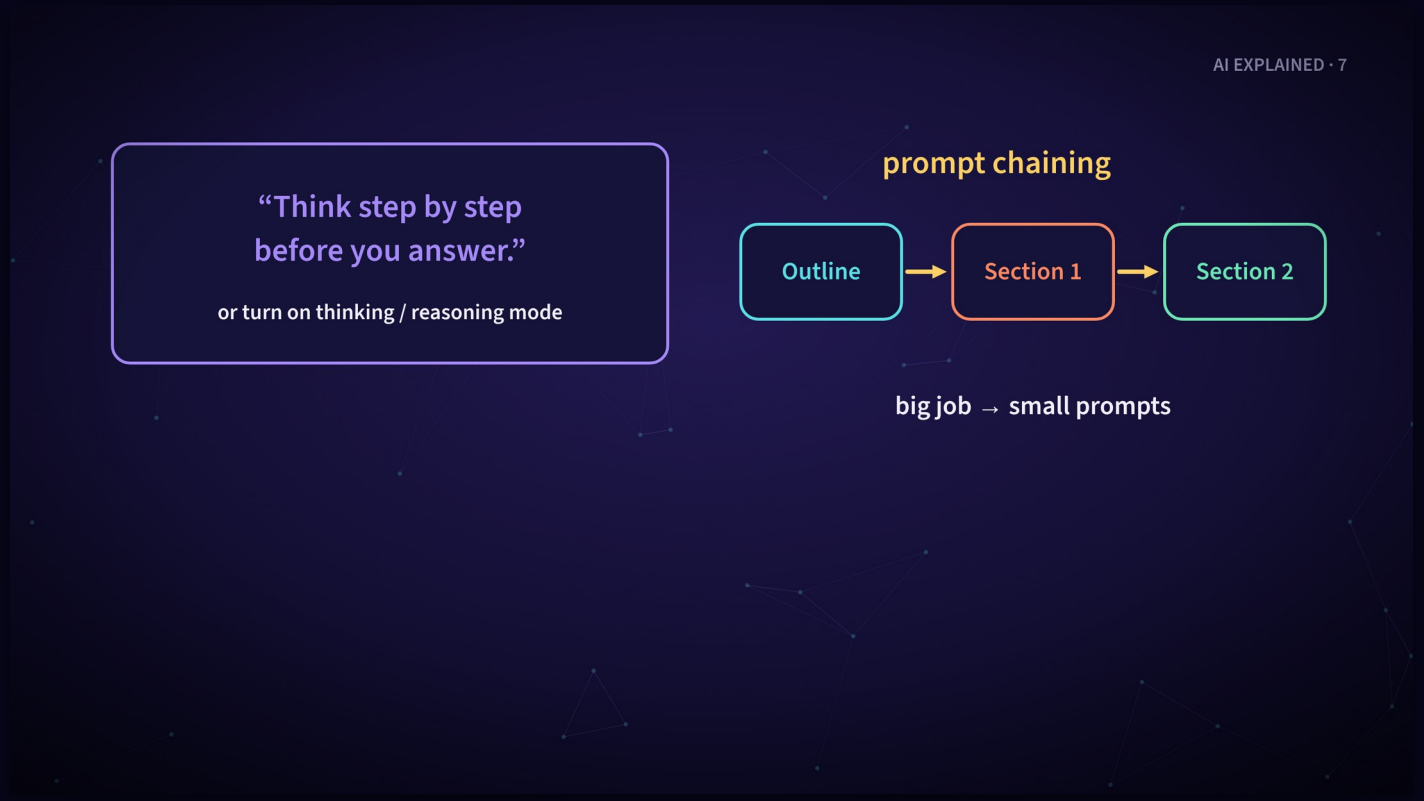
Structure Long Prompts



- XML-style tags: <document> … </document>
- Long documents first, question last
- Number multi-step tasks

05

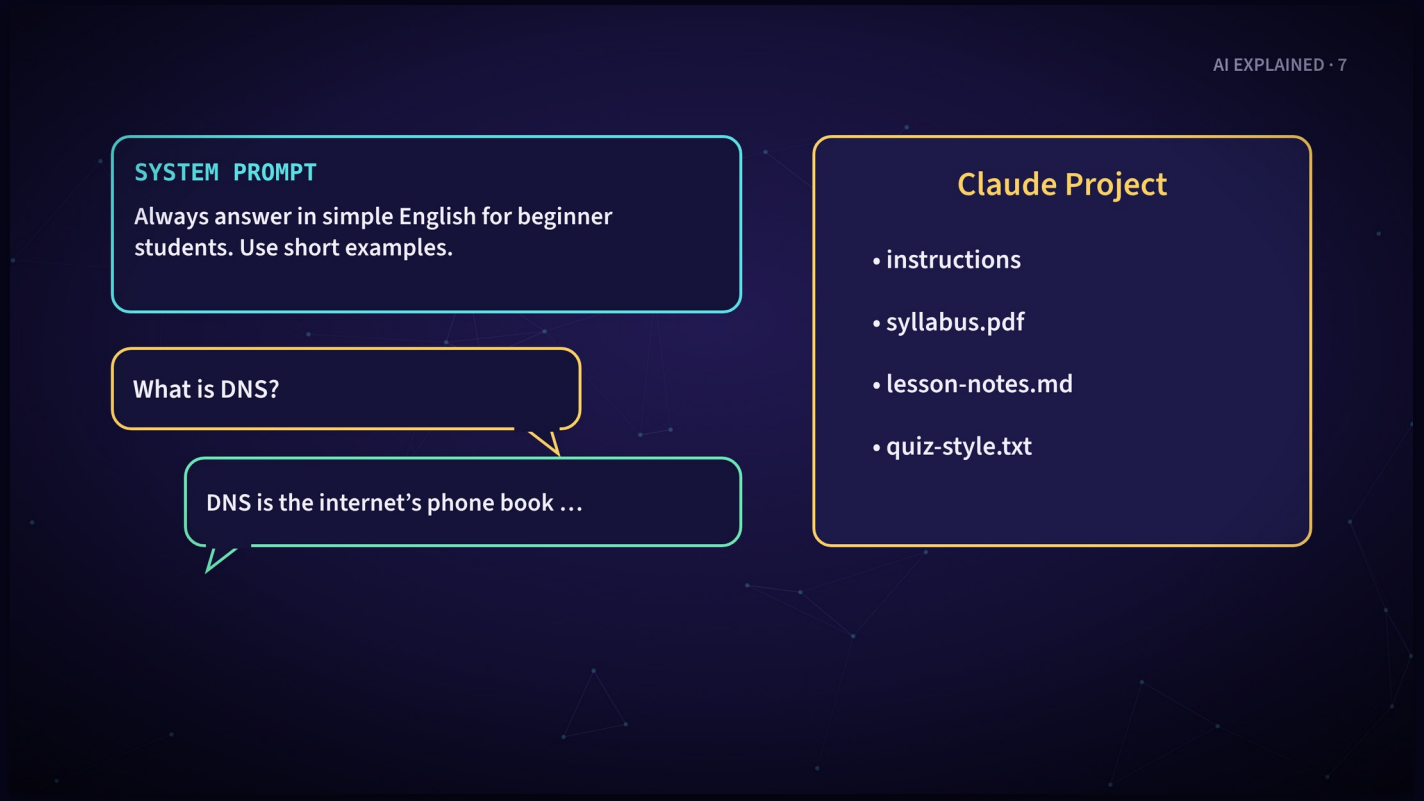
Let It Think



- “Think step by step” / reasoning mode
- Prompt chaining: outline → sections

06

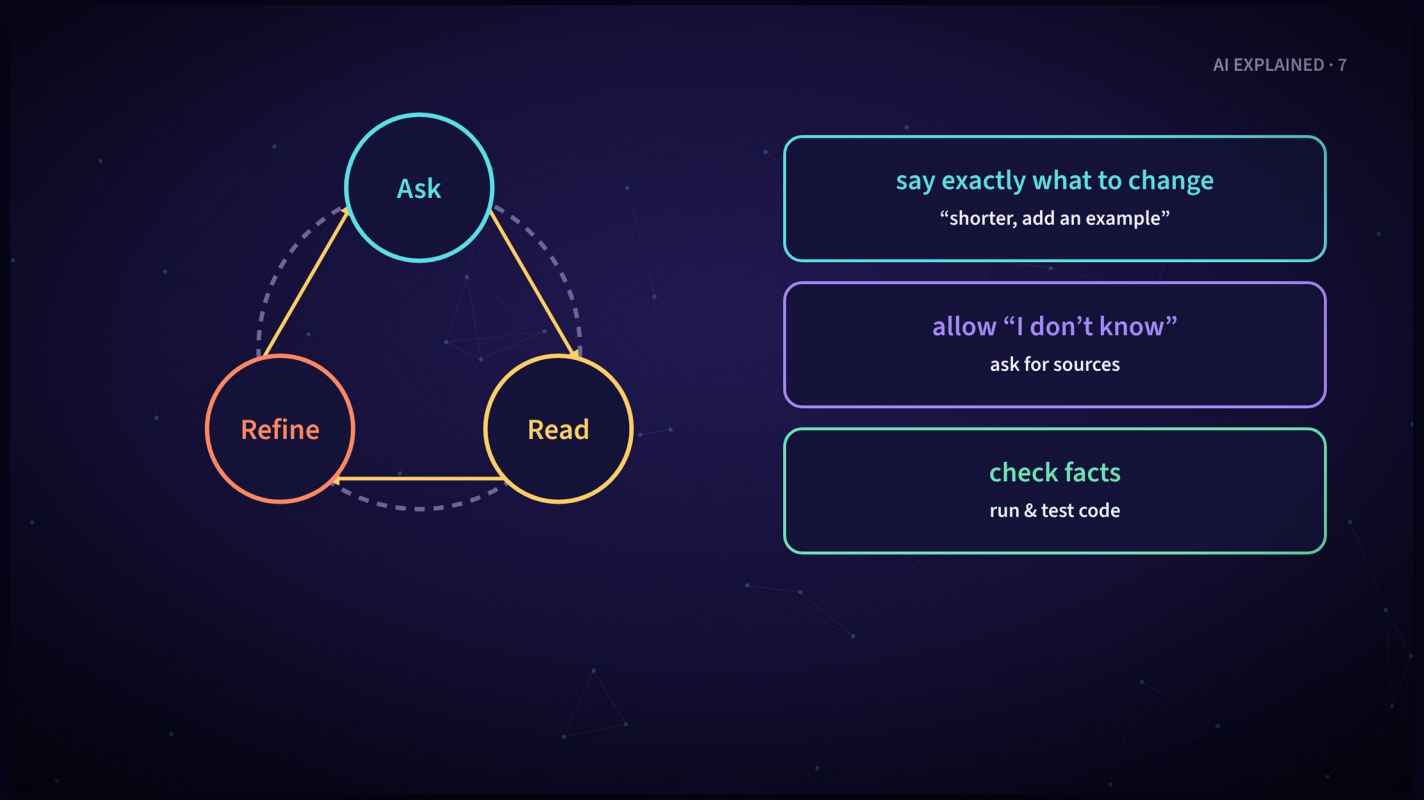
System Prompts and Projects



- System prompt = standing instructions
- Claude Projects: instructions + files

07

Iterate and Verify



- Refine with specific feedback
- Allow “I don’t know” · ask for sources
- Test all code

08

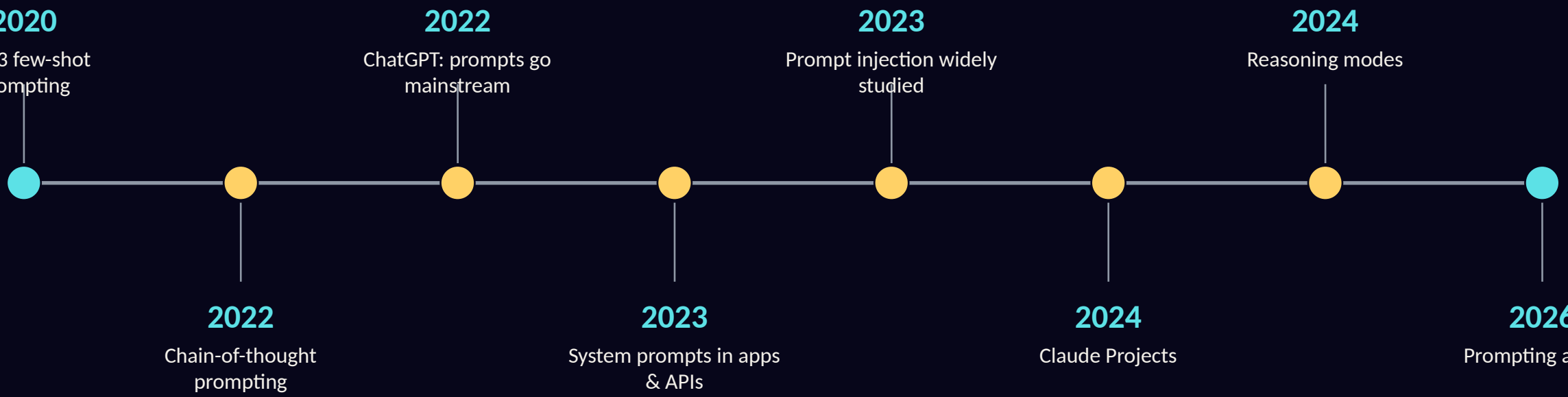
Prompt Safety



- No passwords, keys or private data
- Watch for prompt injection

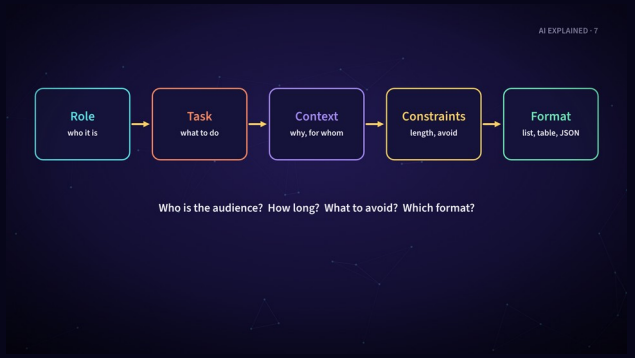
09

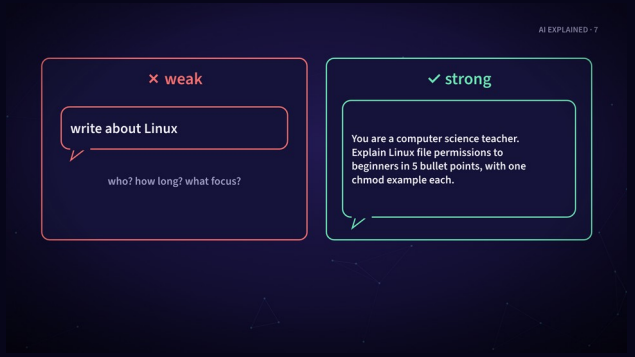
Timeline: 2020 to 2026



Sources and Further Reading

1. Anthropic, Prompt engineering overview — platform.claude.com/docs (prompt engineering, XML tags)
2. OpenAI, Prompt engineering guide — platform.openai.com/docs
3. Google, Prompting strategies — ai.google.dev
4. Wei et al., “Chain-of-Thought Prompting Elicits Reasoning in LLMs,” 2022
5. OWASP Top 10 for LLM Applications — prompt injection





Thank you for watching

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