

Prompt Engineering

↳ Instructions to AI Tools (Input)

Why?

- ↳ Maximize AI (Quality)
- ↳ Reduce Iterations Day 1
- ↳ Best efficiency
- ↳ result is a lot of things

crafting queries / instructions

Key Principles

1. be specific & clear
2. use constant
 - ↳ should be clear
 - ↳ why?
3. set constraints (no-s)
4. iterate & refine
5. leverage examples

Techniques

1. chain of thought
 - ↳ step by step (explanation)
2. few-shot
 - ↳ pre-prompt store
3. zero-shot, one-shot, few-shot
 - ↳ 0 example
 - ↳ 1 example
 - ↳ 2+ example
4. Multi-turn conversations

- ↳ Test summarization
- ↳ Information for action
- ↳ Q/A
- ↳ code generation
- ↳ domain fails to avoid downloading the prompt
- ↳ dynamic feedback
- ↳ vagueness
- ↳ clear with AI limitations

Home Assignment

1. design a prompt to summarize a article
2. generate a magoob query for a database to handle cases
3. create a prompt for blog post site suggestion
4. Q/A (Interview)