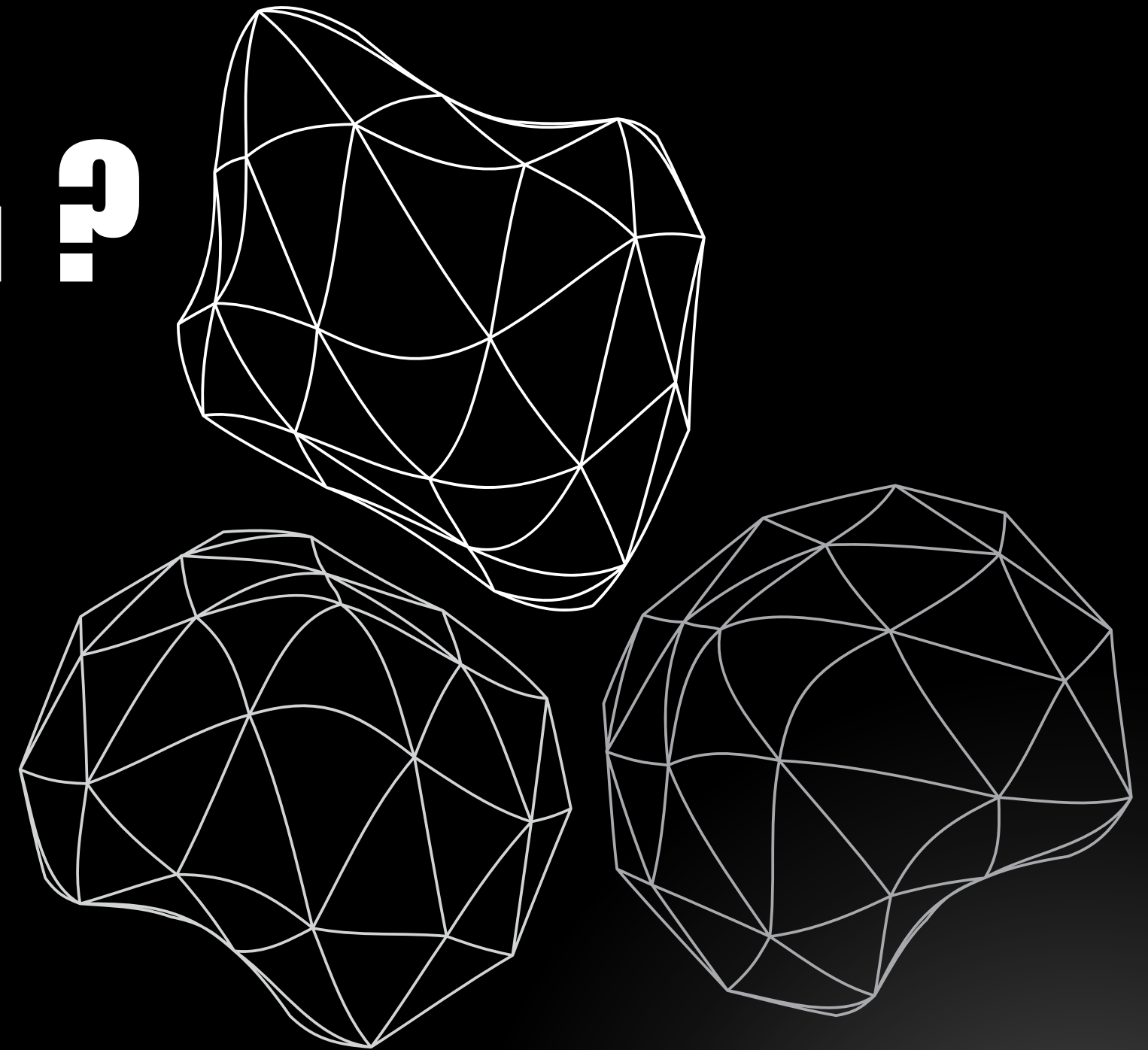


The background features a black-to-gray gradient with intricate, white, wavy line patterns that resemble liquid or smoke flowing across the frame. These patterns are most prominent on the left and right sides, framing the central text.

PROMPTING

WHAT IS PROMPTING ?

- Prompting = Giving clear and effective instructions to AI
- Helps AI understand tasks and deliver the desired outcome
- Think of it as asking the right question in the right way





WHY PROMPTING MATTERS

- Avoids vague or useless outputs
- Saves time and effort
- Makes AI a reliable assistant
- Critical skill for IT, research, writing, and problem-solving

THE 5 PROMPTING PRINCIPLES

- Clarify the Task – Be specific about goals
- Provide Relevant Context – Add background info
- Set Output Format Expectations – Define structure (list, table, code, etc.)
- Add Constraints or Examples – Guide AI with rules/test cases
- Iterate and Refine – Improve prompt based on response

EXAMPLES PRINCIPLE 1 & 2

Clarify the Task:

✗ "Summarize this"

✓ "Summarize the top 3 errors in this log and suggest fixes"

Provide Context:

✗ "Fix my code"

✓ "I wrote a loop to print odd numbers but it shows errors. Input 3 should return Odd. Can you fix it?"

EXAMPLES PRINCIPLE 3 & 4

Set Output Format:

✗ "Summarize log file"

✓ "Summarize log file in a table with 3 columns:
Error, Frequency, Suggested Fix"

Add Constraints/Examples:

✗ "Check if number is prime"

✓ "Check if number ≥ 1 is prime or composite.
Examples: 13=Prime, 14=Composite"

EXAMPLE PRINCIPLE 5

Iterate & Refine

- First try may not give perfect output
- Review AI's response → refine your prompt

Example:

First prompt: "Explain this bug" → too technical

Refined prompt: "Explain this bug as if to a non-technical client"

APPLICATIONS IN IT

- Debugging code with test cases
- Writing user-friendly documentation
- Creating executive summaries for stakeholders
- Learning new concepts quickly & independently

REFLECTIONS & BENEFITS

- Clear prompts = better AI responses
- Improves communication with both AI & people
- Builds confidence in solving problems independently
- Enhances productivity and efficiency in IT roles

CONCLUSION

- Prompting = Clarity + Context + Structure + Refinement
- Essential skill for professionals in IT and beyond
- Mastering prompting turns AI into a powerful partner

THANK YOU