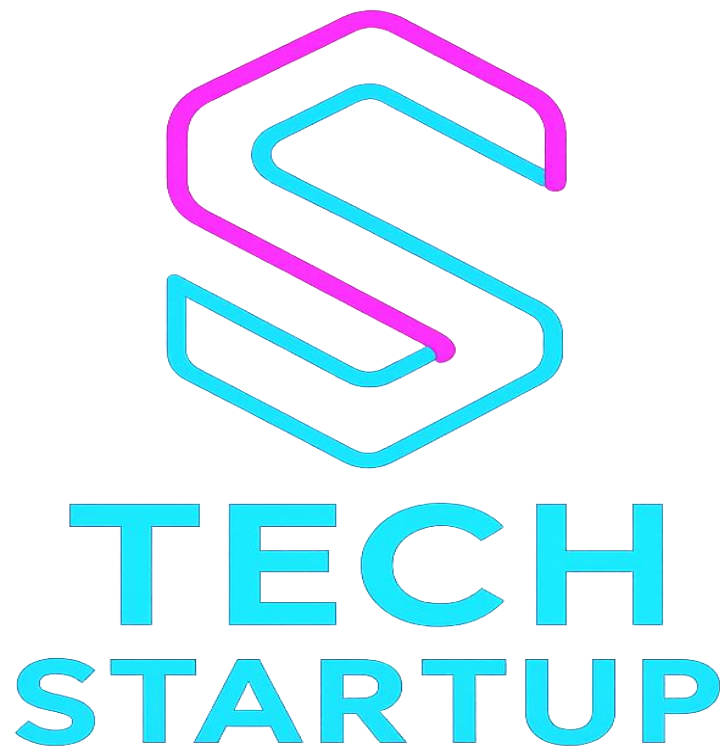# Assignment - 6

TASK - 1

1. Prompt: *"Generate a logo for a tech startup using neon colors."*

- **Category: Visual Prompt**
- **Reasoning:** This prompt is directing an AI image generator (like DALL·E or MidJourney) to create a *visual output*. It specifies what to design (logo), the context (tech startup), and the style (neon colors).

2. Prompt:

"Explain blockchain to a 5-year-old."

- **Category: Conversational Prompt**
- **Reasoning:** This prompt asks the AI to give an explanation in *simple, age-appropriate language*. It is conversational because the AI is directly interacting like a teacher/student or helper.
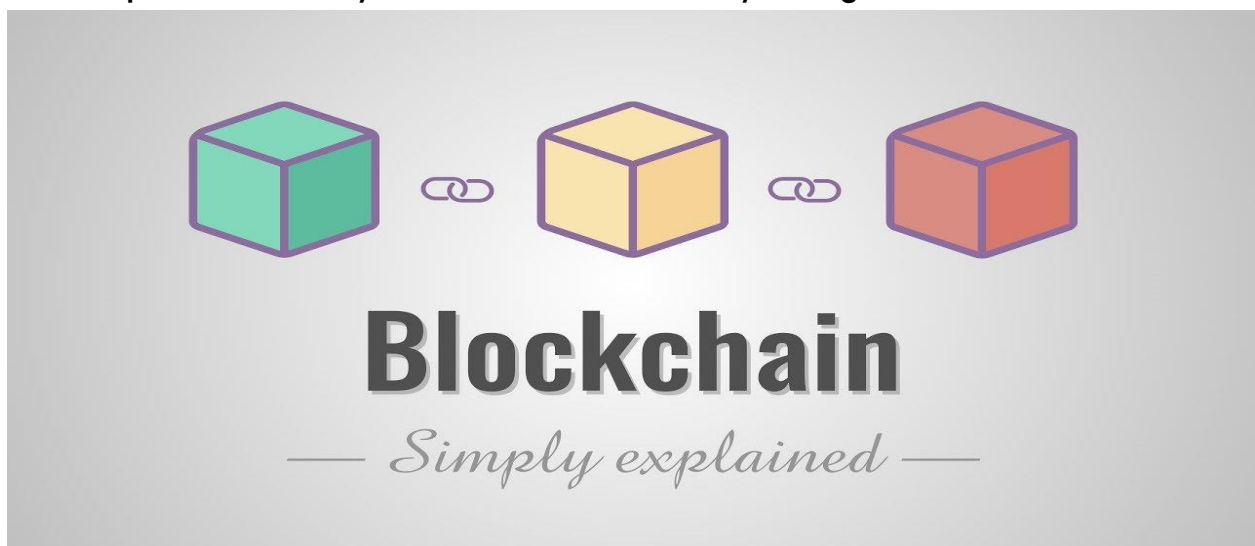
Imagine you and your friends are playing a game where everyone writes down the scores on a notebook.

- Every time someone scores, you **write it on the next page**.
- Nobody can erase what's already written.
- Everyone has a copy of the notebook, so no one can cheat.

That notebook is like a **blockchain**.

- Each page = a **block**.
- The whole notebook = the **chain**.
- Since everyone can see the notebook, it stays honest and fair.

In short: **Blockchain is like a shared notebook that everyone can trust, where you can keep records safely, and no one can secretly change them.**

3. Prompt:

"You are a UX designer. Suggest improvements to this app layout."

- **Category: Instructional Prompt** *(with Role-based framing)*
- **Reasoning:** This gives the AI a *specific role* (UX designer) and asks for *actionable suggestions*. It falls under **Instructional Prompts**, but it also uses the **role-based technique** to guide the AI's response.

Example of AI's possible suggestions:

- Simplify navigation with clear icons and fewer menu items.
- Use consistent colors and typography for readability.
- Increase button sizes for easier tapping on mobile.
- Add tooltips or hints to guide new users.
- Ensure contrast for accessibility (light text on dark background).

TASK - 2

Original: "Draw a tree."

Refined: "Generate a digital illustration of a large oak tree in autumn, with golden-orange leaves falling, under a bright blue sky."

TASK - 3

1. For ChatGPT (Text-based)

Prompt: *"You are a motivational coach. Write a 200-word inspiring speech for college students about overcoming failures and building resilience, with 3 practical tips they can apply in daily life."*

2. For DALL·E (Image-based)

Prompt: *"Create a futuristic city skyline at sunset, with flying cars, glass skyscrapers, and glowing neon signs in cyberpunk style."*

3. For SORA (Video-based)

Prompt: *"Generate a 15-second animated video showing the process of photosynthesis: first the sun shining on a green leaf, then water droplets entering through the roots, and finally oxygen bubbles being released into the air with cheerful background music."*

4. For Coding or Logic

Prompt: *"Write a Python program that generates the Fibonacci sequence up to 100 terms, stores it in a list, and then prints only the prime numbers from the sequence."*

5. For Education or Training

Prompt: *"You are an English teacher. Create a short interactive quiz (5 questions) for beginners to practice present tense verbs, including multiple-choice answers and explanations for each question."*