**Assignment 06**

Assignment and practice of Prompt Engineering to craft effective prompts

**Task 1**: Prompt Categorization

Categorize the following prompts into types (Instructional, Conversational, Visual, etc.) and explain your reasoning:

| **Prompt** | **Type** | **Reason** |
| --- | --- | --- |
| Generate a logo for a tech startup using neon colors. | Visual / Creative | Asks for an image (logo) with style instructions. |
| Explain blockchain to a 5-year-old. | Instructional / Educational | Teaching task, simplified for a child. |
| You are a UX designer. Suggest improvements to this app layout. | Instructional / Role-play | Puts AI in a role, asks for expert advice on design. |

**Task 2**: Refinement Practice

| **Original Prompt** | **Refined Prompt** |
| --- | --- |
| Generate a logo for a tech startup using neon colors. | Design a modern logo for a new AI-powered tech startup called **NeonTech**, featuring bold neon blue and pink colors, a clean geometric shape, and a futuristic font style. |
| Explain blockchain to a 5-year-old. | Explain blockchain to a 5-year-old using a simple story about friends trading toy blocks, showing how everyone keeps the same notebook to make sure trades are fair and no one cheats. |
| You are a UX designer. Suggest improvements to this app layout. | As a UX designer, review the attached **mobile banking app layout** and suggest at least 3 improvements to make it easier for users to check balances, transfer money, and pay bills quickly. |

**Task 3**: Prompt Design Exercise

Design 5 original prompts for different domains:

| **Domain** | **Original Prompt** |
| --- | --- |
| ChatGPT (text-based) | *“Write a persuasive LinkedIn post (150–200 words) encouraging professionals to adopt sustainable work habits, using a motivational but practical tone.”* |
| DALL·E (image-based) | *“Create an illustration of a cozy reading nook in a treehouse, with warm string lights, shelves full of books, and a cat curled up on a chair.”* |
| SORA (video-based) | *“Generate a 15-second video of a sunrise over a futuristic city skyline, where flying cars move through glowing skyscrapers and the sky shifts from dark blue to bright orange.”* |
| Coding / Logic | *“Write a Python function that checks if a given Sudoku board is valid according to game rules, with clear comments explaining each step.”* |
| Education / Training | *“Design a 5-question multiple-choice quiz to help high school students test their understanding of photosynthesis, with correct answers and short explanations.”* |