

## Assignment No. 6

### Task 1: Prompt Categorization

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

♦ Prompt 1:

"Generate a logo for a tech startup using neon colors."

- Category: Visual

- Reasoning:

This prompt involves creating a visual design (a logo), which makes it fall under the Visual category. It requires image generation or artistic design with a specific theme (neon colors for a tech startup), not just text-based output.

♦ Prompt 2:

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

- Category: Instructional

- Reasoning:

This is an educational or explanatory task. The aim is to break down a complex topic (blockchain) into simple, age-appropriate language, making it instructional in nature. It requires the communicator to teach or explain a concept effectively.

♦ Prompt 3:

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

- Category: Conversational / Instructional (Hybrid)

- Reasoning:

This prompt puts the user (or AI) in a role and asks for feedback or suggestions, mimicking a consultative conversation. It's somewhat instructional because it seeks specific guidance on improving a layout, but the role-playing element adds a conversational aspect.

Depending on how it's used (especially if an image is involved), it might also lean toward Visual, but with only text provided, the primary type is Conversational with Instructional intent.

### Task 2: Refinement Practice

Instructions:

Refine the following vague prompts to make them more specific, detailed, and actionable.

♦ Prompt 1

- Original: "Design a website."

- Refined: "Design a responsive homepage for a local bakery, including a hero image of fresh bread, a navigation menu with links to Menu, About Us, and Contact, and a warm

color palette with earthy tones."

- ◆ Prompt 2

- Original: "Write a story."
- Refined: "Write a short story (300–500 words) about a time-traveling teenager who accidentally lands in ancient Egypt and must solve a riddle to return home."

- ◆ Prompt 3

- Original: "Make a video."
- Refined: "Create a 60-second promotional video for a fitness app targeting young adults, featuring upbeat music, quick workout clips, and on-screen text highlighting key features like personalized plans and progress tracking."

- ◆ Prompt 4

- Original: "Draw something creative."
- Refined: "Draw a futuristic cityscape at night, featuring neon-lit skyscrapers, flying cars, and a glowing digital billboard displaying the year 3025."

- ◆ Prompt 5

- Original: "Build a game."
- Refined: "Build a 2D platformer game where the player controls a cat collecting stars while avoiding obstacles like water puddles and barking dogs. Include 3 levels and background music."

### Task 3: Prompt Design Exercise

Instructions:

Design 5 original prompts, each tailored to a specific domain:

- ◆ 1. ChatGPT (Text-Based Prompt)

Prompt:

"Act as a historical tour guide in ancient Rome. Describe a day in the life of a Roman citizen, including what they eat, how they work, and their evening activities. Use a friendly and engaging tone."

- Purpose: Generates an informative, immersive narrative.
- Target: Text generation with historical accuracy and creativity.

- ◆ 2. DALL·E (Image-Based Prompt)

Prompt:

"Create a detailed digital illustration of a futuristic underwater city, with glowing coral skyscrapers, submarine transportation, and bioluminescent sea creatures swimming around."

- Purpose: Generates a visually rich and imaginative scene.
- Target: Image creation with sci-fi and aquatic elements.

### ♦ 3. SORA (Video-Based Prompt)

Prompt:

"Generate a 10-second cinematic video showing a drone flying over a dense jungle at sunrise, with rays of light piercing through the fog and tropical birds flying in the background."

- Purpose: Creates a realistic, atmospheric short video.
- Target: Video generation with focus on lighting, environment, and movement.

### ♦ 4. Coding / Logic Prompt

Prompt:

"Write a Python function that checks whether a given string is a palindrome, ignoring spaces, punctuation, and case sensitivity. Include test cases to validate the function."

- Purpose: Tests logic, string manipulation, and coding accuracy.
- Target: Programming task suitable for beginner to intermediate learners.

### ♦ 5. Education / Training Prompt

Prompt:

"Design a 10-question multiple-choice quiz to help 8th-grade students understand the basics of photosynthesis, including light absorption, chlorophyll, and the role of carbon dioxide."

- Purpose: Supports learning and assessment in science education.
- Target: Educational content creation with student-level appropriateness.

## FOR EXP 6- PROMPT OUTCOMES

**1-** "Act as a historical tour guide in ancient Rome. Describe a day in the life of a Roman citizen, including what they eat, how they work, and their evening activities. Use a friendly and engaging tone."

Welcome to ancient Rome, traveler! 🇮🇹 Let's step into the sandals of a Roman citizen for a day.

The morning begins early, with sunlight spilling over marble rooftops and the hum of life filling the streets. Breakfast (*ientaculum*) is simple—fresh bread dipped in honey or olive oil, maybe with a few dates or cheese. After that, citizens head out for the day.

Men often go to the Forum, the heart of Roman life, to trade, debate politics, or attend court sessions. Artisans and merchants open their shops, while slaves and laborers start their daily work. Wealthier Romans might visit public baths or spend time with their clients and patrons. Women manage the household, oversee slaves, and sometimes go to temples or markets.

By midday, it's time for a light lunch (*prandium*)—cold meats, fruits, or leftovers. The heat of the afternoon slows the city, giving people time to rest before evening activities.

As night falls, the city glows with torches and chatter. Dinner (*cena*) is the highlight of the day—a grand affair for the wealthy, with roasted meats, seafood, vegetables, and plenty of wine. Guests recline on couches, entertained by music, poetry, or lively conversation.

Afterward, some visit the baths again to relax, while others stroll through the moonlit streets or watch performances at small theaters.

Life in Rome is vibrant, busy, and full of culture—a city where power, pleasure, and people mix every single day. 🏛️✨

## 2 - DALL.E image



## 3 - Video generation using AI (SORA)

Video screenshots (generated by AI)







Video link

-[https://drive.google.com/file/d/12akdv28-zNO8l-slAHaT9x-GLrXswf1B/view?usp=drive\\_link](https://drive.google.com/file/d/12akdv28-zNO8l-slAHaT9x-GLrXswf1B/view?usp=drive_link)

#### 4. Coding / Logic Prompt (program given by AI)

```
import string
```

```
def is_palindrome(s):  
    """
```

```
    Checks whether a given string is a palindrome, ignoring spaces,  
    punctuation, and case sensitivity.
```

```

"""
# Remove spaces and punctuation, and convert to lowercase
cleaned = ''.join(char.lower() for char in s if char.isalnum())

# Check if the cleaned string is equal to its reverse
return cleaned == cleaned[::-1]

# --- Test Cases ---
test_cases = [
    "A man, a plan, a canal, Panama!",
    "No lemon, no melon",
    "Was it a car or a cat I saw?",
    "Hello, World!",
    "Madam In Eden, I'm Adam"
]

for text in test_cases:
    print(f'"{text}" → {is_palindrome(text)}')

```

## 5. Education prompt

### Photosynthesis Quiz

1. What is photosynthesis?
  - A) The process of plants eating insects
  - B) The process of making food using sunlight
  - C) The process of breaking down food for energy
  - D) The process of absorbing water from soil
 Answer: B
  
2. Which part of the plant mainly carries out photosynthesis?
  - A) Roots
  - B) Stem
  - C) Leaves
  - D) Flowers
 Answer: C
  
3. What pigment in the leaves captures sunlight for photosynthesis?
  - A) Melanin
  - B) Hemoglobin
  - C) Chlorophyll
  - D) Keratin
 Answer: C

4. What color of light does chlorophyll absorb the most?

- A) Green
- B) Blue and red
- C) Yellow
- D) White

Answer: B

5. What gas do plants take in during photosynthesis?

- A) Oxygen
- B) Carbon dioxide
- C) Nitrogen
- D) Hydrogen

Answer: B

6. What gas do plants release during photosynthesis?

- A) Carbon dioxide
- B) Oxygen
- C) Hydrogen
- D) Nitrogen

Answer: B

7. Which of the following is NOT needed for photosynthesis?

- A) Sunlight
- B) Water
- C) Carbon dioxide
- D) Oxygen

Answer: D

8. What is the main product (food) made by photosynthesis?

- A) Protein
- B) Fat
- C) Glucose (sugar)
- D) Starch

Answer: C

9. Where in the plant cell does photosynthesis occur?

- A) Mitochondria
- B) Nucleus
- C) Chloroplast
- D) Ribosome

Answer: C

10. Why is photosynthesis important for all living things?

- A) It produces sunlight
- B) It gives off carbon dioxide
- C) It produces oxygen and food for other organisms
- D) It makes soil fertile

Answer: C