

# ASSINMENT 6

## Task 1: Prompt Categorization

Prompts can be classified into categories such as **Instructional, Conversational, and Visual**, based on the nature of the request. Below are the categorizations of the given prompts with explanations:

### 1. “*Generate a logo for a tech startup using neon colors.*”

- **Type:** Visual
- **Reasoning:** This prompt asks for the creation of a **graphic (logo)**. It is not asking for an explanation or dialogue, but instead for an image output. Since the output is visual in nature, it falls under the **Visual** category.

### 2. “*Explain blockchain to a 5-year-old.*”

- **Type:** Instructional
- **Reasoning:** This prompt requires a **simplified explanation** of blockchain in a way a child can understand. The request is for information and teaching, not for an image or conversation. Therefore, it belongs to the **Instructional** category.

### 3. “*You are a UX designer. Suggest improvements to this app layout.*”

- **Type:** Instructional (with contextual roleplay)
- **Reasoning:** This prompt gives a **role (UX designer)** and asks for **recommendations** to improve an app layout. The response will be guidance and suggestions, making it **Instructional**. It is not purely conversational, since the goal is to provide expert instructions, not casual dialogue.

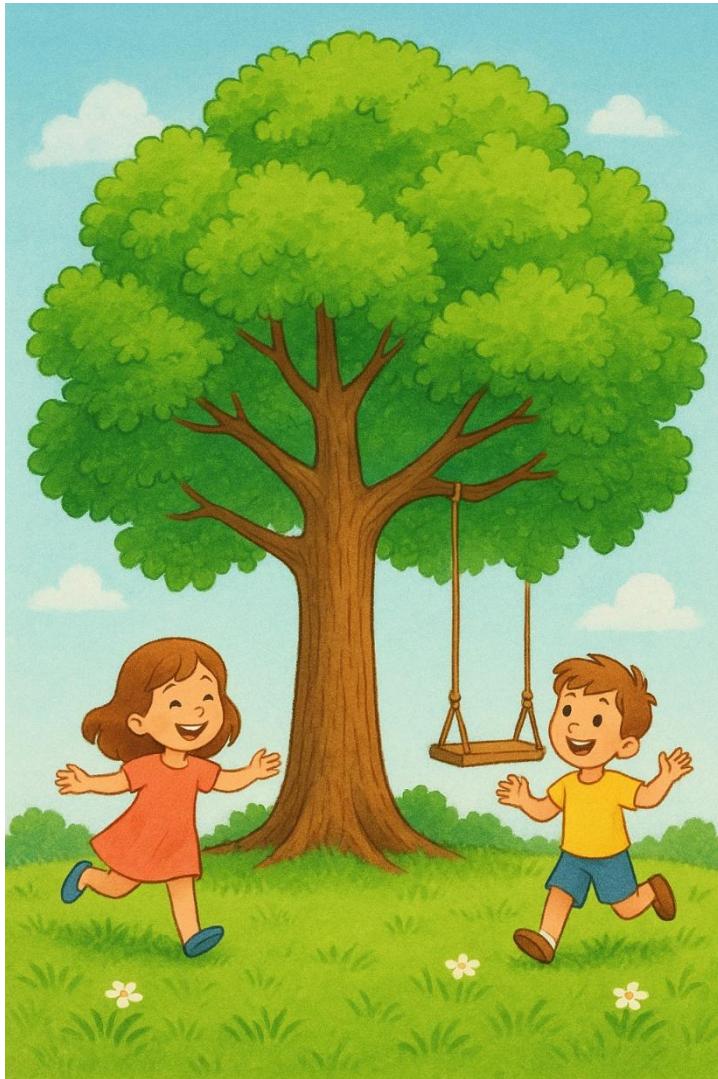
## Task 2: Refinement Practice

### Example

- **Original:** “Draw a tree.”
- **Refined:** “Draw a big oak tree in spring with green leaves, a swing hanging from a branch, and children playing under it.”

### Refined Prompt

**“Draw a large oak tree during spring, full of green leaves, with a wooden swing hanging from one branch, and two children happily playing under its shade.”**



## Task 3: Prompt Design Exercise

### 1. For ChatGPT (Text-based)

*"Write a motivational speech in simple words for college students who are preparing for their final exams."*

### Motivational Speech for College Students

Good morning everyone,

I know final exams can feel stressful and tiring. But remember, these exams do not decide your whole future — they only test what you have studied. What really matters is your hard work, honesty, and never giving up.

Every page you read, every problem you solve, and every hour you spend studying is an investment in yourself. Success is not about being perfect, it's about trying again and again, even when things feel tough.

Believe in yourself. You have already come this far, and that shows your strength. Take one step at a time, stay focused, and give your best effort.

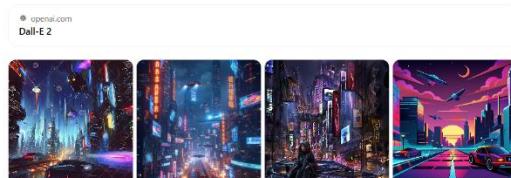
And even if the result is not what you expect, don't lose hope. Exams will come and go, but the lessons you learn, the discipline you build, and the courage you gain will stay with you forever.

So, walk into your exams with confidence, calmness, and faith. You are capable, you are strong, and you will do well.

Thank you, and all the best.

### 2. For DALL·E (Image-based)

*"Create a digital painting of a futuristic city at night, glowing with neon lights, flying cars, and tall glass buildings."*



To generate a digital painting of a futuristic city at night—complete with neon lights, flying cars, and towering glass buildings—using DALL-E 2, follow these steps:

*tall glass buildings."*

# Motivational Speech for College Students

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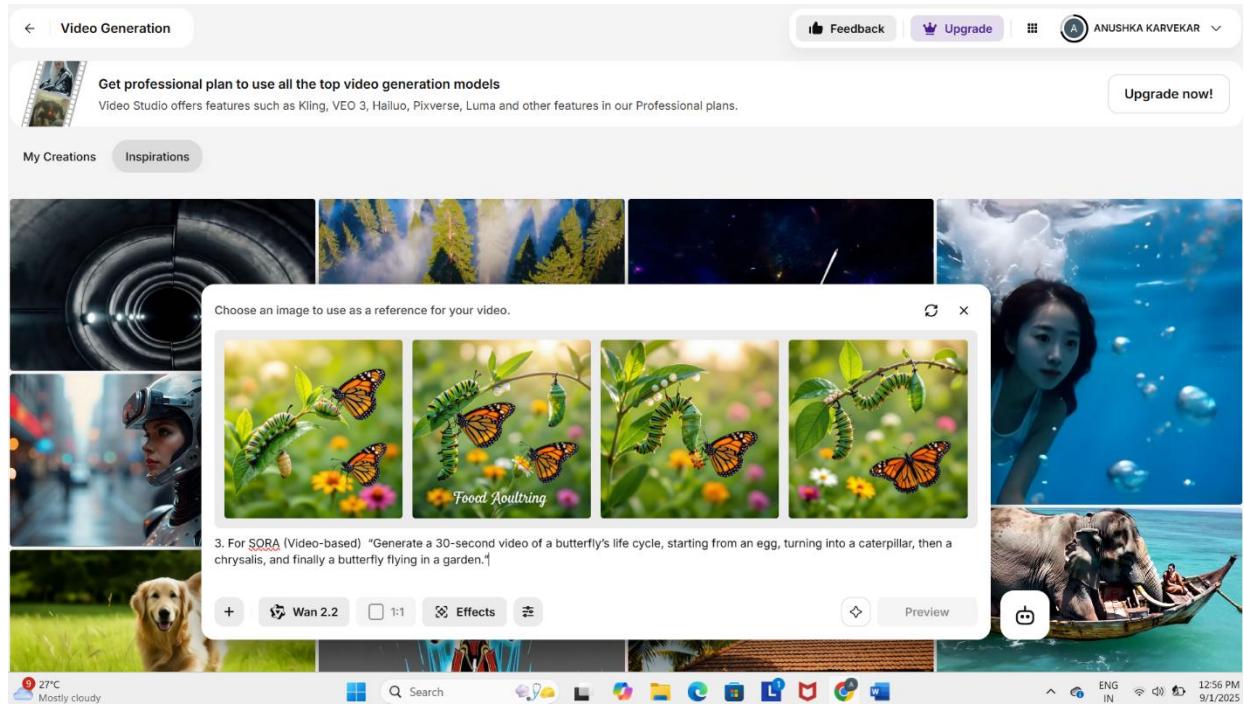
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## 3. For SORA (Video-based)

*“Generate a 30-second video of a butterfly’s life cycle, starting from an egg, turning into a caterpillar, then a chrysalis, and finally a butterfly flying in a garden.”*



## 4. For Coding/Logic

*“Write a Python program that takes a list of student names and marks, then prints the topper’s name and score.*

### Prompt 4: Coding/Logic

**“Write a Python program that takes a list of student names and marks, then prints the topper’s name and score.”**

#### Python Program:

```
# List of students with their marks
students = [("Anita", 85), ("Rahul", 92), ("Sneha", 78), ("Vikram", 95),
("Priya", 88)]

# Find the topper
topper = max(students, key=lambda x: x[1])

# Print the topper's name and score
print("Topper is:", topper[0], "with", topper[1], "marks.")
```

## **Output:**

Topper is: Vikram with 95 marks.

## **5. For Education/Training**

*“Create a short quiz of 5 multiple-choice questions on the topic of Artificial Intelligence basics for beginners.”*

Here's the solution for your **Education/Training prompt** 👇

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### **Prompt 5: Education/Training**

**“Create a short quiz of 5 multiple-choice questions on the topic of Artificial Intelligence basics for beginners.”**

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### **Quiz: Artificial Intelligence Basics**

#### **Q1. What is Artificial Intelligence (AI)?**

- a) A human brain
- b) A type of natural intelligence
- c) Machines that can perform tasks requiring human-like intelligence
- d) A computer game

**Answer:** c

#### **Q2. Which of these is an example of AI in daily life?**

- a) Washing clothes by hand
- b) Google Maps suggesting routes
- c) Writing on paper
- d) Switching on a fan

**Answer:** b

#### **Q3. Which term refers to teaching a computer to learn from data?**

- a) Data Mining
- b) Machine Learning
- c) Programming
- d) Debugging

**Answer:** b

**Q4. Siri, Alexa, and Google Assistant are examples of:**

- a) Web browsers
- b) AI-powered virtual assistants
- c) Operating systems
- d) Programming languages

 **Answer:** b

**Q5. Which field is most closely related to Artificial Intelligence?**

- a) Chemistry
- b) Literature
- c) Computer Science
- d) History

 **Answer:** c