AI P3 Lab-4

## **Summarization and Text Transformation**

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## **Lab-4**

## **How to design prompts:**

### **Summarization**

* **Prompt:** “Summarize the following article in 3 sentences.”
* Provide the full text or abstract.

### **Rewriting (Tone Transformation)**

* **Prompt:** “Rewrite this email in a formal tone.”
* Or: “Rewrite this email in an informal, friendly tone.”

## **Example 1: Summarization of News Article**

**Original text:** “Scientists have discovered a new species of bird in the Amazon rainforest. The bird, with vibrant colors and unique calls, was found during an expedition last summer. Researchers believe this discovery highlights the rich biodiversity of the region and the importance of conservation efforts.”

**Prompt:** *Summarize the above news article in two sentences.*

**Output:** Scientists discovered a new species of bird in the Amazon rainforest, characterized by vibrant colors and unique calls. This finding underscores the region's biodiversity and the need for conservation.

## **Example 2: Rewriting an Email in Formal Tone**

**Original email:** “Hey John, just wanted to check if you got the report I sent yesterday. Let me know if you need anything else. Thanks!”

**Prompt:** *Rewrite the email above in a formal tone.*

**Output:** Dear John,  
 I hope this message finds you well. I wanted to confirm whether you received the report I sent yesterday. Please let me know if you require any further information.  
 Thank you.

## **Example 3: Rewriting an Email in Informal Tone**

**Original email:** “Dear Sarah, I am writing to inform you that your appointment has been scheduled for next Thursday at 3 PM. Please arrive 10 minutes early.”

**Prompt:** *Rewrite the email above in an informal, friendly tone.*

**Output:** Hi Sarah,  
 Just letting you know your appointment is set for next Thursday at 3 PM. Try to get here about 10 minutes early. See you then!

## **Output: Summary & Transformation Report Template**

| **Task** | **Original Text** | **Prompt** | **AI Output** | **Notes** |
| --- | --- | --- | --- | --- |
| News Article Summary | [Original news paragraph] | Summarize in 2 sentences | [Summary] | Concise, retains main points |
| Email Formal Rewrite | “Hey John...” | Rewrite in formal tone | [Formal email] | Polite and professional |
| Email Informal Rewrite | “Dear Sarah...” | Rewrite in informal tone | [Informal email] | Friendly and casual |