# Lab 13 – Part H

**a. Write a prompt that contains all these parts:**

**Role:**
You are a travel planner.

**Context:**
You are helping someone plan a 7-day trip to Italy in the summer.

**Task/Instruction:**
Create a full 7-day travel itinerary that includes historical sites, local food spots, and relaxing activities.

**Format:**
List each day separately with short descriptions for morning, afternoon, and evening.

**Rules:**
Keep the descriptions short (1-2 lines). Avoid repeating the same city more than twice.

**Examples:**

- Day 1: Rome – Morning: Visit the Colosseum. Afternoon: Try local pizza in Trastevere. Evening: Walk along the Tiber River.

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**b. Write example prompts and results for each technique:**

1. **Truth detector**
   *Prompt:*
   What is the population of Canada? Also, rate how confident you are in your answer from 1 to 10.
   *Expected result:*
   Canada's population is about 39 million. Confidence: 9/10.
2. **AI prompt helper**
   *Prompt:*
   My prompt doesn't work well. It says, "Summarize the article." Can you improve it?
   *Expected result:*
   Try this instead: "Summarize the following article in 5 bullet points focusing on the main ideas."
3. **Choose the right model**
   *Prompt:*
   I want to create images of fantasy creatures. Which model is best for that?
   *Expected result:*

Use DALL·E or MidJourney for image generation. These are better than language models for your goal.

4. **Self improvement loop**
   *Prompt:*
   Write a short story about friendship. Then, review your answer and suggest how to make it better.
   *Expected result:*
   [Story is written.] Suggestion: Add more emotional depth and dialogue between characters.

5. **Think step by step**
   *Prompt:*
   Solve: A store sells a shirt for $20. If there's a 15% discount, how much will the customer pay? Let's solve this step by step.
   *Expected result:*
   Step 1: 15% of $20 is $3. Step 2: $20 - $3 = $17. Final answer: $17.

6. **Iterate and refine**
   *Prompt 1:*
   Write a poem about spring.
   *Response:*
   [Poem generated.]
   *Prompt 2:*
   Make it rhyme better and use more nature words.
   *Response:*
   [Refined poem with better rhymes and vivid nature imagery.]