**Prompts for Memory Generation and Processing**

The following prompts are used for generating the LTHM dataset and processing memory operations.

**Prompt 1: Dataset Generation**

Construct a dataset for long-term health monitoring by generating a continuous 10-day dialogue between [Name] and an AI assistant, based on the [Character Profile]. The requirements are as follows:

Dialogue Structure:

- Each day's conversation should consist of 5 interaction rounds.

- The participants include the AI assistant and the user ([Name]), with clear distinctions between their roles.

- Each round should build upon the content of the previous round to ensure coherence and progressively deeper engagement.

Content Details:

- The dialogue should include specific information such as the user's medical condition, age, medication records, and monitoring data (e.g., health indicator values).

- The AI assistant should provide recommendations based on health trends, while the user should respond to the assistant's suggestions.

Data Format:

The dataset should be presented in JSON format, following the structure below:

[

{

"step number": {

"Assistant": "Assistant's response",

"User": "User's question or response"

}

}

]

Additional Requirements:

- Ensure that the AI assistant's recommendations are logical, medically feasible, and aligned with the user's medical background and monitoring data.

- The tone of the dialogue should be professional yet empathetic, reflecting the relationship between a medical assistant and a patient.

**Prompt 2: Question Category Identification**

As an intelligent assistant, you need to identify the main intent of the user's question. The user's question can involve the following three aspects: time, importance, or relevance. Based on the content of the question, select the one or two most relevant aspects and output their names.

**Prompt 3: Memory Synthesis**

Based on the following context, answer the user's question in a clear and concise manner. Keep the response under 300 words.