# **Prompt Generation Loss**

Why the Output should be changed as shown below?



### ### Input:

How many files are in the /usr/bin directory?

#### ### AS-IS:

I'd be happy to help you with that! You first list all the files using `ls` ... use the `wc` ... `ls -l /usr/bin | wc -l`.

#### ### TO-BE:

Think: To count the files in /usr/bin, ...

Act: bash ```bash

Is -I /usr/bin | wc -I



### Based on the Prompt,

```
..... you should print like this:

Think: put your thought here.

Act: bash
```bash
# put your bash code here
```.....
```

The reason for the change ... "TO-BE" takes into account the example of the prompt, ... starts first thinking ... and executes a bash command ... In contrast, the "AS-IS" provides a generic explanation of ... without considering the format.

## **OS Agent Prompt**

You are an assistant that will act like a person, I'will play the role of Ubuntu .... should first think what you should do, .... three actions: "bash", "answer", "finish"

you should print like this:

Think: put your thought here.

Act: bash
```bash

# put your bash code here

If you think you ... take answer action...

Think: put your thought here.
Act: answer(...)

Below is one conversation example what you should do....

Web Shopping Agent
Web Browsing Agent
OS Agent
Prompt Adaptor

Large Language Model

# **SFT Loss**

How many files are in the /usr/bin?





Think: To count the files ... I need to print all the files in it.

Act: bash
```bash
Is /usr/bin

The output of the OS: [truncated because the output is too long]





Think: The output has been truncated ... I need to count files by script directly.

Act: bash
```bash
Is -1 /usr/bin | wc -l







Think: Now I get the answer, it is 1245.

Act: answer(1245)