

# Day 3 Task

Create a Python program for managing a to-do list with the following functionalities:

## 1. To-Do List Initialization:

- Initialize an empty list to represent the to-do list.

## 2. Help Message:

- Display a help message to the user explaining the available commands:
  - **add** -> add a task to the to-do list.
  - **complete** -> mark a task as complete.
  - **view all** -> view the current tasks in the to-do list.
  - **view complete** -> view all the completed tasks in the to-do list.
  - **view incomplete** -> view all the incomplete tasks in the to-do list.
  - **help** -> display all the help message.
  - **exit** -> exit the program.

## 3. Task Addition:

- Implement the ability to add a task to the to-do list. When the user enters the **add** command, prompt them to enter the task description. Ensure that the same task cannot be added twice. When the task is added, the default status of the task will be incomplete.

## 4. Task Completion:

- Implement the ability to mark a task as complete. When the user enters the **complete** command, prompt them to enter the task number they want to mark as complete. Display an appropriate message if the task is not found. Once the task is completed set the status of the task to completed.

## 5. All To-Do List View:

- Implement the **view all** command to display the tasks in the to-do list. Include information about whether each task is complete or not.

## 6. Completed To-Do List View:

- Implement the **view complete** command to display the completed task in the to-do list.

**7. In completed To-Do List View:**

- Implement the **view incomplete** command to display all the incomplete task in the to-do list.

**8. Invalid Options Entered:**

- Display the invalid message. After then show them again the all the available option.

**9. Help Command:**

- Display all the help messages.

**10. Exit Confirmation:**

- When the user enters **exit**, prompt them with "Are you sure you want to exit?" If the user inputs "yes," the program should stop. If the user inputs anything else, the program should continue.

**NOTE:** Please attempt to complete this task by analyzing the requirements and building your own logic. Avoid using external assistance, including chat GPT, to enhance your problem-solving skills. If you encounter challenges, discuss them with your supervisor or fellow interns. Feel free to research specific topics independently. Do not copy the entire question and seek answers from external sources like chat GPT. Thank You.