**SLASHMARK INTERNSHIP**

**PYTHON BASIC LEVEL**

**TASK1-TO DO LIST APPLICATION**

**DOCUMENTATION**

**To-Do List Manager Documentation**

**Overview**

The To-Do List Manager is a simple command-line application that allows users to manage their tasks. Users can add tasks, mark them as completed, remove tasks, and display the current list of tasks. The program runs in a loop, presenting options to the user until they choose to exit.

**Features**

1. **Display To-Do List**: View all tasks with their completion status.
2. **Add Task**: Add a new task to the list.
3. **Mark Task as Completed**: Mark a specified task as completed.
4. **Remove Task**: Remove a specified task from the list.
5. **Quit**: Exit the program.

**Functions**

**display\_tasks()**

* **Description**: Displays the current to-do list with each task's status (either "Done" or "Not Done").
* **Parameters**: None.
* **Returns**: None.
* **Usage**: Called when the user chooses to display the to-do list.

**add\_task(task\_name)**

* **Description**: Adds a new task to the to-do list.
* **Parameters**: task\_name (str) - The name of the task to be added.
* **Returns**: None.
* **Usage**: Called when the user enters a task name to add.

**mark\_completed(task\_number)**

* **Description**: Marks a specified task as completed.
* **Parameters**: task\_number (int) - The number of the task to be marked as completed.
* **Returns**: None.
* **Usage**: Called when the user enters the task number to mark as completed.

**remove\_task(task\_number)**

* **Description**: Removes a specified task from the to-do list.
* **Parameters**: task\_number (int) - The number of the task to be removed.
* **Returns**: None.
* **Usage**: Called when the user enters the task number to remove.

**Main Program Loop**

The program runs in a continuous loop, displaying the following options to the user:

1. Display to-do list
2. Add a task
3. Mark a task as completed
4. Remove a task
5. Quit

Based on the user's input, the corresponding function is called. The loop continues until the user chooses to quit by entering '5'.

**Usage Instructions**

1. **Run the Program**: Execute the script in a Python environment.
2. **Choose an Option**: Enter the number corresponding to the desired action from the options menu.
3. **Follow Prompts**: For actions that require additional input (e.g., adding, completing, or removing tasks), follow the on-screen prompts to enter the necessary information.
4. **Quit the Program**: Enter '5' to exit the program.

**Example**

Options:

1. Display to-do list

2. Add a task

3. Mark a task as completed

4. Remove a task

5. Quit

Enter your choice: 2

Enter the task: Buy groceries

Task 'Buy groceries' added to your to-do list.

Options:

1. Display to-do list

2. Add a task

3. Mark a task as completed

4. Remove a task

5. Quit

Enter your choice: 1

To-Do List:

1. Buy groceries (Not Done)

Options:

1. Display to-do list

2. Add a task

3. Mark a task as completed

4. Remove a task

5. Quit

Enter your choice: 3

To-Do List:

1. Buy groceries (Not Done)

Enter the task number to mark as completed: 1

Task 1 marked as completed.

Options:

1. Display to-do list

2. Add a task

3. Mark a task as completed

4. Remove a task

5. Quit

Enter your choice: 5

Exiting the to-do list manager. Goodbye!