

## Task 5: ToDo List Management

About the ToDo List Management Program:

This program is a simple todo list manager implemented in Python. It allows users to view their existing tasks, add new tasks, mark tasks as completed, remove tasks, and exit the program while saving the current todo list state.

Functionality:

### 1. Menu Display:

Upon execution, the program displays a menu with options to view the todo list, add a new task, mark a task as completed, remove a task, or exit the program.

### 2. Loading Tasks:

The program loads existing tasks from a file named "todo\_list.txt" if it exists.

### 3. Viewing ToDo List:

Users can view their current todo list with enumerated tasks.

### 4. Adding a Task:

Users can add a new task to their todo list.

### 5. Marking a Task as Completed:

Users can mark a task as completed by providing the index of the task.

### 6. Removing a Task:

Users can remove a task from their todo list by providing the index of the task.

### 7. Saving Tasks:

The program saves the current state of the todo list to the file "todo\_list.txt" before exiting.

### 8. Exiting the Program:

Users can choose to exit the program, which saves the current todo list state and terminates the program.

Sample Output:

1. View ToDo List

2. Add Task

3. Mark Task as Completed

4. Remove Task

5. Exit

Enter your choice (15): 1

1. Complete project

2. Do laundry

3. Grocery shopping

1. View ToDo List

2. Add Task

3. Mark Task as Completed

4. Remove Task

5. Exit

Enter your choice (15): 2

Enter the task: Clean room

Task added successfully.

1. View ToDo List

2. Add Task

3. Mark Task as Completed

4. Remove Task

5. Exit

Enter your choice (15): 3

1. [Completed] Complete project

2. Do laundry

3. Grocery shopping

4. Clean room

Enter the index of the task to mark as completed: 4

Task marked as completed.

1. View ToDo List

2. Add Task

3. Mark Task as Completed

4. Remove Task

5. Exit

Enter your choice (15): 4

1. [Completed] Complete project

2. Do laundry

3. Grocery shopping

Enter the index of the task to remove: 2

Task 'Do laundry' removed.

1. View ToDo List

2. Add Task

3. Mark Task as Completed

4. Remove Task

5. Exit

Enter your choice (15): 5

Exiting. Your ToDo List has been saved.

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