In [4]:
```python
# Initialize an empty list to store tasks
tasks = []

# Function to add a task to the list
def add_task(task):
    tasks.append({"task": task, "completed": False})
    print(f"Task '{task}' added successfully!")

# Function to delete a task by its index
def delete_task(index):
    if 0 <= index < len(tasks):
        del tasks[index]
        print("Task deleted successfully!")
    else:
        print("Invalid index. Task not found.")

# Function to display all tasks in the list
def display_tasks():
    if tasks:
        print("Tasks:")
        for idx, task in enumerate(tasks):
            status = "Done" if task["completed"] else "Pending"
            print(f"{idx + 1}. {task['task']} - {status}")
    else:
        print("No tasks in the list.")

# Function to mark a task as complete
def mark_complete(index):
    if 0 <= index < len(tasks):
        tasks[index]["completed"] = True
        print("Task marked as complete!")
    else:
        print("Invalid index. Task not found.")

# Main function to interact with the user
def main():
    while True:
        print("\n===== TO-DO LIST =====")
        print("1. Add Task")
        print("2. Delete Task")
        print("3. Display Tasks")
        print("4. Mark Task as Complete")
        print("5. Exit")
        choice = input("Enter your choice (1-5): ")

        if choice == "1":
            task = input("Enter task to add: ")
            add_task(task)
        elif choice == "2":
            index = int(input("Enter index of task to delete: "))
            delete_task(index - 1)  # Adjust index by 1 for user-friendly input
        elif choice == "3":
            display_tasks()
        elif choice == "4":
            index = int(input("Enter index of task to mark as complete: "))
            mark_complete(index - 1)  # Adjust index by 1 for user-friendly input
        elif choice == "5":
            print("Exiting the program. Goodbye!")
            break
        else:
            print("Invalid choice. Please choose a number from 1 to 5.")

if __name__ == "__main__":
    main()
```

```
===== TO-DO LIST =====
1. Add Task
2. Delete Task
3. Display Tasks
4. Mark Task as Complete
5. Exit
Enter your choice (1-5): 1
Enter task to add: Read a book
Task 'Read a book' added successfully!

===== TO-DO LIST =====
1. Add Task
2. Delete Task
3. Display Tasks
4. Mark Task as Complete
5. Exit
Enter your choice (1-5): 1
Enter task to add: Joirnalin
Task 'Joirnalin' added successfully!

===== TO-DO LIST =====
1. Add Task
2. Delete Task
3. Display Tasks
4. Mark Task as Complete
5. Exit
Enter your choice (1-5): 1
Enter task to add: Watch a movie
Task 'Watch a movie' added successfully!

===== TO-DO LIST =====
1. Add Task
2. Delete Task
3. Display Tasks
4. Mark Task as Complete
5. Exit
Enter your choice (1-5): 1
Enter task to add: Go to park
Task 'Go to park' added successfully!

===== TO-DO LIST =====
1. Add Task
2. Delete Task
3. Display Tasks
4. Mark Task as Complete
5. Exit
Enter your choice (1-5): 2
Enter index of task to delete: 3
Task deleted successfully!

===== TO-DO LIST =====
1. Add Task
2. Delete Task
3. Display Tasks
4. Mark Task as Complete
5. Exit
Enter your choice (1-5): 3
Tasks:
1. Read a book - Pending
2. Joirnalin - Pending
3. Go to park - Pending

===== TO-DO LIST =====
1. Add Task
2. Delete Task
3. Display Tasks
4. Mark Task as Complete
5. Exit
Enter your choice (1-5): 4
Enter index of task to mark as complete: 4
Invalid index. Task not found.

===== TO-DO LIST =====
1. Add Task
2. Delete Task
3. Display Tasks
4. Mark Task as Complete
5. Exit
Enter your choice (1-5): 5
Exiting the program. Goodbye!
```