

## MINI PROJECT

### TO-DO LIST APPLICATION

#### PROGRAM:-

```
# Function to add a task

def add_task(todo_list, task):

    todo_list.append({"task": task, "completed": False})

    print("Task added successfully!")

# Function to delete a task

def delete_task(todo_list, index):

    if index < 0 or index >= len(todo_list):

        print("Invalid index!")

    else:

        del todo_list[index]

        print("Task deleted successfully!")

# Function to display the list of tasks

def display_tasks(todo_list):

    if not todo_list:

        print("No tasks in the list.")

    else:

        print("To-Do List:")

        for i, item in enumerate(todo_list):

            print(f"{i+1}. {'[X]' if item['completed'] else '[' ]'} {item['task']}")

# Function to mark a task as complete

def mark_complete(todo_list, index):

    if index < 0 or index >= len(todo_list):

        print("Invalid index!")

    else:

        todo_list[index]['completed'] = True

        print("Task marked as complete!")

def main():

    todo_list = []

    while True:

        print("\nMenu:")
```

```
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: ")

if choice == '1':
    task = input("Enter the task: ")
    add_task(todo_list, task)

elif choice == '2':
    index = int(input("Enter the index of task to delete: ")) - 1
    delete_task(todo_list, index)

elif choice == '3':
    display_tasks(todo_list)

elif choice == '4':
    index = int(input("Enter the index of task to mark as complete: ")) - 1
    mark_complete(todo_list, index)

elif choice == '5':
    print("Exiting...")
    break

else:
    print("Invalid choice!")

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

**OUTPUT:-**

```
File Edit Selection View Go Run Terminal Help
Python Debugger: Curr...

Menu:
1. Add Task
2. Delete Task
3. Display Tasks
4. Mark Task as Complete
5. Exit
Enter your choice: 1
Enter the task: singing songs
Task added successfully!

Menu:
1. Add Task
2. Delete Task
3. Display Tasks
4. Mark Task as Complete
5. Exit
Enter your choice: 1
Enter the task: reading
Task added successfully!

Menu:
1. Add Task
2. Delete Task
3. Display Tasks
4. Mark Task as Complete
5. Exit
Enter your choice: 1
Enter the task: writing
Task added successfully!

Menu:
1. Add Task
2. Delete Task
3. Display Tasks
4. Mark Task as Complete
5. Exit
Enter your choice: 3
To-Do List:
1. [ ] singing songs
2. [ ] reading
3. [ ] writing
```

```
File Edit Selection View Go Run Terminal Help
Python Debugger: Curr...

Menu:
1. Add Task
2. Delete Task
3. Display Tasks
4. Mark Task as Complete
5. Exit
Enter your choice: 3
To-Do List:
1. [ ] singing songs
2. [ ] reading
3. [ ] writing

Menu:
1. Add Task
2. Delete Task
3. Display Tasks
4. Mark Task as Complete
5. Exit
Enter your choice: 2
Enter the index of task to delete: 1
Task deleted successfully!

Menu:
1. Add Task
2. Delete Task
3. Display Tasks
4. Mark Task as Complete
5. Exit
Enter your choice: 4
Enter the index of task to mark as complete: 2
Task marked as complete!

Menu:
1. Add Task
2. Delete Task
3. Display Tasks
4. Mark Task as Complete
5. Exit
Enter your choice: 3
```

