Command■Line To■Do List App – Python GitHub Project

Features:
- Add tasks ■
- View all tasks ■
- Mark tasks as completed ✔■
- Delete tasks ■
- Save & load tasks to/from file ■

Code:

```python
import json
import os

TASKS_FILE = "tasks.json"

class TaskManager:
    def __init__(self):
        self.tasks = []
        self.load_tasks()

    def load_tasks(self):
        if os.path.exists(TASKS_FILE):
            with open(TASKS_FILE, "r") as f:
                self.tasks = json.load(f)
        else:
            self.tasks = []

    def save_tasks(self):
        with open(TASKS_FILE, "w") as f:
            json.dump(self.tasks, f, indent=4)

    def add_task(self, description):
        self.tasks.append({"task": description, "done": False})
        self.save_tasks()

    def list_tasks(self):
        if not self.tasks:
            print("\n■ No tasks found!\n")
            return
        print("\n■ To-Do List:")
        for i, task in enumerate(self.tasks, 1):
            status = "✔" if task["done"] else "■"
            print(f"{i}. {task['task']} [{status}]")
        print()

    def complete_task(self, index):
        if 0 <= index < len(self.tasks):
            self.tasks[index]["done"] = True
```

```python
                self.save_tasks()
                print("■ Task marked as completed!")
            else:
                print("■ Invalid task number!")

    def delete_task(self, index):
        if 0 <= index < len(self.tasks):
            removed = self.tasks.pop(index)
            self.save_tasks()
            print(f"■ Deleted: {removed['task']}")
        else:
            print("■ Invalid task number!")


def show_menu():
    print("""\
======= ■ TO-DO LIST MENU =======
1. Add Task
2. View Tasks
3. Mark Task as Completed
4. Delete Task
5. Exit
=================================
""")


def main():
    manager = TaskManager()

    while True:
        show_menu()
        choice = input("■ Enter your choice (1-5): ").strip()

        if choice == "1":
            desc = input("■ Enter task description: ").strip()
            manager.add_task(desc)
        elif choice == "2":
            manager.list_tasks()
        elif choice == "3":
            manager.list_tasks()
            index = int(input("✔ Enter task number to mark completed: ")) - 1
            manager.complete_task(index)
        elif choice == "4":
            manager.list_tasks()
            index = int(input("■ Enter task number to delete: ")) - 1
            manager.delete_task(index)
        elif choice == "5":
            print("■ Exiting To-Do App. Bye!")
            break
        else:
            print("■ Invalid choice. Try again!")
```

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