CODESOFT TASK 1

Code:

```python
import os

def show_menu():
    print("To-Do List Menu:")
    print("1. View To-Do List")
    print("2. Add Task")
    print("3. Mark Task as Completed")
    print("4. Delete Task")
    print("5. Exit")
    print()

def view_todo_list():
    if not os.path.exists("todo_list.txt"):
        print("To-Do List is empty.")
    else:
        with open("todo_list.txt", "r") as file:
            lines = file.readlines()
            if not lines:
                print("To-Do List is empty.")
            else:
                for idx, line in enumerate(lines, start=1):
                    print(f"{idx}. {line.strip()}")

def add_task():
    task = input("Enter the task: ")
    with open("todo_list.txt", "a") as file:
        file.write(task + "\n")
    print("Task added successfully.")

def mark_task_completed():
    view_todo_list()
```

```python
    try:
        task_number = int(input("Enter the task number to mark as completed: "))
        with open("todo_list.txt", "r") as file:
            lines = file.readlines()
        if 1 <= task_number <= len(lines):
            lines[task_number - 1] = "[X] " + lines[task_number - 1][4:]
            with open("todo_list.txt", "w") as file:
                file.writelines(lines)
            print("Task marked as completed.")
        else:
            print("Invalid task number.")
    except ValueError:
        print("Invalid input. Please enter a number.")


def delete_task():
    view_todo_list()
    try:
        task_number = int(input("Enter the task number to delete: "))
        with open("todo_list.txt", "r") as file:
            lines = file.readlines()
        if 1 <= task_number <= len(lines):
            del lines[task_number - 1]
            with open("todo_list.txt", "w") as file:
                file.writelines(lines)
            print("Task deleted successfully.")
        else:
            print("Invalid task number.")
    except ValueError:
        print("Invalid input. Please enter a number.")


def main():
    while True:
        show_menu()
        choice = input("Enter your choice: ")
```

```python
        if choice == "1":
            view_todo_list()
        elif choice == "2":
            add_task()
        elif choice == "3":
            mark_task_completed()
        elif choice == "4":
            delete_task()
        elif choice == "5":
            print("Exiting...")
            break
        else:
            print("Invalid choice. Please choose again.")


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