Do list Application

AIM :

To Write a program to-do list application in Python

ALGORITHM:

Step -1: Define the to-do List class.

Step 2: Define methods for Todo list class.

Step 3: Create the main function (main()).

Step 4: Handle user input.

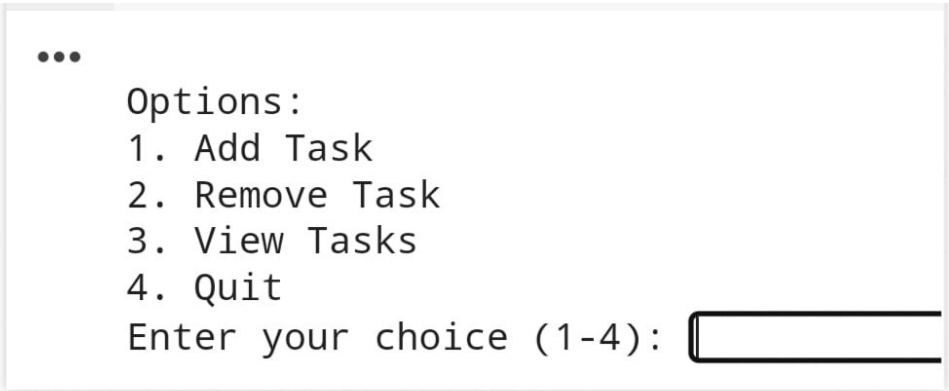
Step 5: Run the main function.

PROGRAM:

```
class ToDoList:

    def __init__(self):
        self.tasks = []

    def add_task(self, task):
        self.tasks.append(task)
        print(f'Task "{task}" added successfully.')

    def remove_task(self, task):
        if task in self.tasks:
            self.tasks.remove(task)
            print(f'Task "{task}" removed successfully.')
        else:
            print(f'Task "{task}" not found in the list.')

    def view_tasks(self):
        if self.tasks:
            print("To-Do List:")
            for i, task in enumerate(self.tasks, start=1):
```

```
            print(f"{i}. {task}")
        else:
            print("Your to-do list is empty.")

def main():
    todo_list = ToDoList()

    while True:
        print("\nOptions:")
        print("1. Add Task")
        print("2. Remove Task")
        print("3. View Tasks")
        print("4. Quit")

        choice = input("Enter your choice (1-4): ")

        if choice == "1":
            task = input("Enter the task: ")
            todo_list.add_task(task)
        elif choice == "2":
            task = input("Enter the task to remove: ")
            todo_list.remove_task(task)
        elif choice == "3":
            todo_list.view_tasks()
        elif choice == "4":
            print("Quitting the to-do list application. Goodbye!")
            break
        else:
            print("Invalid choice. Please enter a number between 1 and 4.")

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

OUTPUT :



Result:

Thus, the python program to find do list application and output