**Assignment Title:**

**"To-Do Task Scheduler using LinkedList in Java"**

**Problem Statement:**

Design a **Task Scheduler system** for a user who wants to add, remove, rearrange, and process tasks dynamically. The system should efficiently handle **insertion and deletion at both ends**, which is something that **ArrayList does inefficiently** due to shifting elements.

You are required to build a **menu-driven program** using **LinkedList** that demonstrates how it is better suited for certain operations compared to ArrayList.

**Functional Requirements (Menu Options):**

Design a Java menu-driven program to perform the following using LinkedList<String>:

1. **Add Task at End** (normal priority) – add(), addLast()
2. **Add Task at Beginning** (high priority) – addFirst()
3. **Remove First Task** (complete task) – removeFirst()
4. **Remove Last Task** (cancel last task) – removeLast()
5. **View First Task** (peek next task) – peekFirst()
6. **View Last Task** (peek most recently added) – peekLast()
7. **Display All Tasks**
8. **Check if Task Exists**
9. **Get Total Number of Tasks**
10. **Clear All Tasks**

Those value taking as task with Scanner class object.