- **Title**: (Task Management System)

- **Name**: Muhammad Talha Rafique

- **Registration Number**: SP23-BSE-028

- **Date**: 24th September, 2024

- **Assignment** : 1

- **Introduction:**

  - **Objective**: To implement a task management system using a singly linked list.
  - **Operations Implemented**: Basic operations such as adding, viewing, and removing tasks are handled using a linked list structure.

- **Code Explanation:**

  - **addTask()**: This function adds a new task at the beginning of the linked list.
  - **viewTasks()**: Displays all tasks in the list.
  - **removeFirstTask()**: Removes the first task (which represent the highest-priority task).
  - **removeTaskByID()**: Removes a task by its unique ID, searching through the list.

- **Screenshot:**

```
Task Management System Menu:
1. Add a new task
2. View all tasks
3. Remove the first task
4. Remove a task by ID
5. Exit
Enter your choice: 1
Enter task ID: 2
Enter task description: DSA
Enter task priority: 2
Task added successfully!

Task Management System Menu:
1. Add a new task
2. View all tasks
3. Remove the first task
4. Remove a task by ID
5. Exit
Enter your choice: 2
Task ID: 2, Description: DSA, Priority: 2

Task Management System Menu:
1. Add a new task
2. View all tasks
3. Remove the first task
4. Remove a task by ID
5. Exit
Enter your choice: 3
Removed task with ID: 2

Task Management System Menu:
1. Add a new task
2. View all tasks
3. Remove the first task
4. Remove a task by ID
5. Exit
Enter your choice: 4
Enter task ID to remove: 2
No tasks to remove.

Task Management System Menu:
1. Add a new task
2. View all tasks
3. Remove the first task
4. Remove a task by ID
5. Exit
Enter your choice:
```