

Comsats University Islamabad, Attock Campus



Assignment No # 1

Title: (Task Management System)

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● 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: