Data Structures



**Graded lab 1**

Session: Spring 2023

Faculty of Information Technology

UCP Lahore Pakistan

**Graded Task:**

Given a singly linked list and an integer K, the task is to rotate the linked list clockwise to the right by K places.

**Example 1:**

Input: 1 -> 2 -> 3 -> 4 -> 5 -> NULL, K = 2

Output: 4 -> 5 -> 1 -> 2 -> 3 -> NULL

**Example 2:**

Input: 7 -> 9 -> 11 -> 13 -> 3 -> 5 -> NULL, K = 12

Output: 7 -> 9 -> 11 -> 13 -> 3 -> 5 -> NULL

**Example 3**

Input: 7 -> 4 -> 8 -> 11 -> 2 -> 1 -> NULL, K = 4

Output: 8 -> 11 -> 2 -> 1 -> 7 -> 4 -> NULL