



Program: BS (CS/SE)
Semester: Spring 2023
Course: CS2001 - Data Structures

Assignment#01
Due Date: 17-02-2023
Instructor: Waqas Ali

1. Write a function named **swapNodes** that swaps two nodes of a singly linked list by updating the next pointers of the nodes. The function should take two integer parameters specifying the position of the nodes to be swapped. The prototype of the function is as follows: [CLO 1]

```
void swapNodes(int lPos , int rPos);
```

where lPos, rPos are positions of the left and right nodes respectively. The following function call will swap nodes at position 2 and 5.

```
swapNodes(2 , 5);
```

Note: You have change the position of nodes in the linked list not just the values.