`CSE 2216 DSA - I Lab

Assignment 1

- **Answer all the questions.**
- **You must use separate .c/.cpp files (total 5)**
- **Zip the 5 files and upload them together at the eLMS portal**

1	Write a function called **insertBefore(int s,int v)** which inserts a new value v, before a node with the value s. If the node with the value s is not found in the linked list then print the message "Node not found."	5
2	Write a function called **insertAfterPosition(int i, int v).** This function inserts a new node with the value **v** after the node at the position **i.**	5
3	Write a function **mergeLinkedLists (Node h1, Node h2)** that takes in two linked lists as input and appends the second linked list at the end of the first one.	5
4	Write a program that takes the information of n students as input. Now sort the input information using **MergeSort** based on role numbers in ascending order and print the student info.	5
5	Write a program that prints the values of a linked list using a recursive function **recPrint(struct Node node).**	5