BSc I.T. 3rd Semester, VNSGU
Data Structures

Assignment 3   3/10/2024

1. Singly Linked list, with all operations. (including sorting)
2. Circular Singly linked list, with all operations
3. Implementation of queue with linked list
4. Implementation of stack with linked list
5. Doubly linked list, will all operations and display
> Display from first to last
> Display from last to first
6. Linked list for student data
   Rollno, name, sem, sub1marks, sub2marks, sub3marks, total
   Operations: insertion, display, delete by rollno, display student node with highest marks

7. Merging of two linked list
> Insert 2 values inside a node, character and integer, divide this list
> into two linked list into integer LL and character LL

Make addition of interger values of all the nodes in a SLL
8. Create a Singly linked list to represent polynomial
9. Create a Singly linked list and perform sum all node values.