

## **Lab Assignment 6**

### **Program:**

- a. Implement a menu-driven polynomial manipulation using a singly linked list for following operations:
  - i. Addition of polynomials
  - ii. Subtraction of polynomials
- b. Implement a Singly Linked List and available list **using array** and perform the following Menu driven operations:
  - i. Insert an element at the beginning
  - ii. Traverse a list
  - iii. Delete the first element

### **Lab File Writing:**

1. Description of linked list with diagram
2. Representation of linked list using Array and structure.
3. Algorithm using Array representation
4. Polynomial representation using linked list
4. Conclusion

### **Note:**

Upload the zip file of .c and screenshot

Code should be modular and add necessary comments.