

Assignment 6

Topic: Programs on Single Linked List: Part-II

Date:

Write C programs for the following:

Sl. No.	Question	Page No.
1)	Write a user defined function to Search an element in a single linked list	
2)	Write a user defined function to Sort the list in ascending order.	
3)	Write user defined functions to find the smallest and largest element in a single linked list.	
4)	Write a user defined function to reverse the list.	
5)	Write a program to create two separate linked lists and merge the elements. Note: Input lists are already sorted	
6)	Implement stack using linked list representation to perform the following operations: 1-Push, 2-Pop, 3-Display, 4-Exit	
7)	Implement Linear Queue using linked list representation to perform the following operations: 1-Insert, 2-Delete, 3-Display, 4-Exit.	
8)	Write a program to implement circular single linked list.	
9)	Write a program to for polynomial addition using linked list	
10)	Write a program for polynomial multiplication using linked list	