NAME OF STUDENT:	CLASS:
SEMESTER/YEAR:	ROLL NO:
DATE OF PERFORMANCE:	DATE OF SUBMISSION:
EXAMINED BY:	EXPERIMENT NO: DSL C-19

TITLE : TO PERFORM VARIOUS OPERATIONS ON LINK LIST .

PROBLEM STATEMENT : Department of Computer Engineering has student's club named 'pinnacle club' . Students of second ,third and final year of department can be granted membership on request . Similarly on may cancel the membership of club .First node is reserved for the president of the club and last node is reserved for the secretary of club .write C++ program to maintain club members information using singly linked list .store student PRN and Name .Write function to:
a) Add and Delete the members as well as the president or even secretary .
b)Compute total numbers of members of club .
c)Display members .
d)Display list in reverse order using recursion .
e)Two linked lists exists for two divisions .Concatinate two lists .

OBJECTIVES:
1. To understand structure of singly linked list .
2. To understand how to Create,Display and perform various operations on singly linked list .

OUTCOMES:
1.To analyze the problems to apply suitable algorithm and data structure .
2.To discriminate the usage of various data structures in approaching the problem solution .
3.To understand concepts of Linear Data Structure (singly linked lists) .

PRE-REQUISITES:
1.Knowledge of C++ programming .
2.Knowledge of singly linked lists .

APPARATUS:
1. OS: Ubuntu 18.04.2 LTS
2. Processor: Intel® Core™ i7-4790S CPU
3. Graphics: GeForce GT 610/PCIe/SSE2
4. Storage: 400 GB
5. Text Editor: gedit
6. Compiler: GNU C++ Compiler (g++)
7. Terminal

QUESTIONS:

1. What is a linked list ? State it's types .
2. Write applications of SLL.