

**Modern Education Society's  
College of Engineering, Pune**

<b>NAME OF STUDENT:</b> Sandesh Santosh Pabitwar	<b>CLASS:</b> comp A
<b>SEMESTER/YEAR:</b> III	<b>ROLL NO:</b> F20111040
<b>DATE OF PERFORMANCE:</b>	<b>DATE OF SUBMISSION:</b> 24/12/21
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**TITLE : TO PERFORM VARIOUS OPERATIONS ON LINK LIST .**

**PROBLEM STATEMENT :** Second year Computer Engineering class, set A of students like Vanilla ice-cream and set B of students like Butterscotch ice-cream  
Write C++ program to store two sets using Linked List. Compute and display-

- i. Set of students who like both vanilla and butterscotch
- ii. Set of students who like either vanilla or butterscotch or not both
- iii. Number of students who like neither vanilla nor butterscotch

**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:**

**QUESTIONS:**

1. What is Generalized Lined List? Explain with example?
2. What are the advantages of Dynamic memory allocation?