

## Practice Lab Assignment 5

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For this Practice Lab Assignment, you will write programs in C implementing the concepts of **Linked Lists**.

#### **Instructions**

- There are 3 questions in this assignment.
- Any discussion with neighbor/or any other student is strictly not allowed.
- Mobile phones are not allowed. If found, disciplinary action may be taken.

**Due Date: Submit your codes on BB as per the deadlines of your respective batch.**

#### **Grading Criteria**

As announced on BB.

#### **Questions**

1. Create a linked list A where each node holds an integer. Let A hold the values 12, 24, 33, 40, 57, 68, 77. Write a function PRINTPRINT which prints the contents of A.
2. Write a function ADDADD which adds 6 to each element of A and prints the new values. Write another function SKIP which prints alternate values of list A.
3. Write a main program with functions to create and display linked lists. Create a linked list A with 10 integers (in increasing order) and print the contents. Now add following functions
  - i) Delete the first and last node of A. Display the contents.
  - ii) simply print the second last node of A.
  - iii) returns 1 if the list is sorted in increasing order, else returns 0.