



ACADEMY OF TECHNOLOGY  
Lab Assignment (Assignment 22)

Paper name: Data Structure and Algorithm  
Code: PCC-CS391  
Discipline: CSE

Semester: 3<sup>rd</sup>  
Time: 2 Hours

*Date: December 16, 2020*

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1. Write a menu driven program in C or C++ to implement a linked list and perform the following operations.
    - a. insert new node at the beginning of the list.
    - b. insert new node at the end of the list.
    - c. display the list.
    - d. count the number of nodes.
    - e. display the value of all nodes at even position.
    - f. display the the value of all nodes at odd position.
    - g. swap the value of first and last node.
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