



ACADEMY OF TECHNOLOGY  
Lab Assignment (Assignment 7)

Paper name: Data Structure and Algorithm

Code: PCC-CS391

Discipline: CSE

Semester: 3<sup>rd</sup>

Time: 2 Hours

*Date: September 7, 2022*

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1. Write a menu driven program in C or C++ to perform the following operations on double linked list.
    - (a) *insert* a node at the beginning of the list.
    - (b) *insert* a node at the end of the list.
    - (c) *deletet* a node from the beginning of the list.
    - (d) *delete* a node at the end of the list.
    - (e) *display* the whole list.
  2. Write a menu driven program in C or C++ to perform the following operations on circular linked list.
    - (a) *insert* a node at the beginning of the list.
    - (b) *insert* a node at the end of the list.
    - (c) *deletet* a node from the beginning of the list.
    - (d) *delete* a node at the end of the list.
    - (e) *display* the whole list.
  3. Write a program in C or C++ to add two polynomials using linked list.
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