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| **Lab activity 04**  **Linked List** |

**Objective:**

Learning of: -

1. Linked Lists implementation using single and doubly Linked Lists.

**Instructions:**

1. Upload the codes and the output (1 pdf file) into assessment on **author** before or on 12 May 2024 12am.
2. The image must be clear.

**Exercise**:

1. Demonstrate the following methods with the records:

Implement a Singly Linked List in C program to record and manipulate details of employees in an organization. Employee details must have Employee ID, First Name, Last Name, Age and Salary. Manipulation data are Insert, Delete and Traversal.

Singly Linked List consist of functions

* linked list and structure
* create and insert new record
* remove or delete existing record
* and display record(s)
* creative menu.

1. Implement a Double Linked List in C Program to record and manipulate details of Books in Library. Example of Book details. Author : Weiss Michelle Publish Date: 2014 Title : Data Structures and Algorithm in C++ Edition : 4th ed. Publication by : Boston: Pearson. Call Number: QA76.73.C153. W44 2014 Manipulation of Books are Insert New Book by Alphabetical Order.

Doubly Linked List consist of functions

* linked list and structure
* create and insert new record
* remove or delete existing record
* and display record(s)
* creative menu.

-End of questions-