

## Week #4 Lab Assignments

- Write a menu driven program to perform the following operations in a circular singly linked list by using suitable user defined functions for each case.
  - a) Traverse the list
  - b) Insert a node at the certain position
  - c) Delete a node at the certain position
  - d) Delete a node for the given key
  - e) Count the total number of nodes
  - f) Search for an element in the linked list
- Write a menu driven program to perform the following operations in a circular doubly linked list by using suitable user defined functions for each case.
  - a) Traverse the list
  - b) Insert a node at the certain position
  - c) Delete a node at the certain position
  - d) Delete a node for the given key
  - e) Count the total number of nodes
  - f) Search for an element in the linked list