

**GLS UNIVERSITY**  
**GLS INSTITUTE OF COMPUTER APPLICATIONS & IT**

**BCA Sem – III**  
**Practical Assignment – III**  
**Data Structure Practical**

**1.** Write a C++ program that will perform following operations using singly linked list:

- Create a list
- Insert in the beginning
- Delete from the end
- Display the linked list

**2.** Write a C++ program that will perform following operations using doubly linked list:

- Create a list
- Insert in the beginning
- Delete from the end
- Display the linked list

**3.** Write a C++ program that will perform following operations using singly linked list:

- Create a list
- Insert at the end
- Delete from the beginning
- Display the linked list

**4.** Write a C++ program that will perform following operations using circular singly linked list:

- Create a list
- Insert at the end
- Delete from the beginning
- Display the linked list

**5.** Write a C++ program that will perform following operations using singly linked list:

- Create a node
- Insert at specific location
- Delete at the end
- Display the linked list

**6.** Write a C++ program that will perform following operations using singly linked list:

- Create a list
- Insert in the beginning
- Delete at specific location
- Display the linked list

**7.** Write a C++ program that will perform following operations using doubly

linked list:

- Create a list
- Insert at specific location
- Display the linked list

8. Write a C++ program that will perform following operations using doubly linked list:

- Create a list
- Insert at the end
- Delete from specific location
- Display the linked list

9. Write a C++ program that will perform following operations using circular doubly linked list:

- Create a list
- Insert at the end, beginning
- Delete from specific location, first, last
- Display the linked list

Note: All the students have to attempt all the practical questions compulsory.