

New Summit College

BCA, 3rd Semester

Data Structures and Algorithms

Lab Work

Deadline: 2081/01/21 (Friday)

Unit – 4 (List)

1. WAP to create and display all elements of list.
2. WAP to insert a new element in a pre-existed list.
3. WAP to delete an element from a list.
4. WAP to modify an element from a list.
5. WAP to merge two pre-existed list.

Unit – 5 (Linked List)

1. WAP to implement a single linked list and show all of its operations.
2. WAP to implement a single linked list and show operations for insertion and deletion in kth position.
3. WAP to implement a double linked list and show all of its operations.
4. WAP to implement a double linked list and show operations for insertion and deletion in kth position.
5. WAP to implement a stack using linked list.
6. WAP to implement a queue using linked list.

Descriptions: You should submit hand written codes and screen shots of output obtained by running the programs. The screen shots should consist your individual name in the path.