

New Summit College

BCA, 3rd Semester

Data Structures and Algorithms

Lab Work

Deadline: 2080/12/16 (Friday)

Unit – 8 (Sorting)

1. WAP to implement bubble sort.
2. WAP to implement selection sort.
3. WAP to implement insertion sort.
4. WAP to implement merge sort.
5. WAP to implement quick sort.
6. WAP to implement insertion sort.

Unit – 2 (Stack)

1. WAP to implement stack using array.
2. WAP to implement stack using array with switch case. (Operations should continue until user press exit.)

Unit – 3 (Queue)

1. WAP to implement linear queue using array.
2. WAP to implement linear queue using array with switch case.
3. WAP to implement circular queue using array.
4. WAP to implement priority queue using array.

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.