



Week #8

Lab Assignments

1. Write a menu driven program to implement Deques (both Input-restricted and Output-restricted) operations such as Enqueue, Dequeue, Peek, Display of elements, IsEmpty, IsFull using static array.
2. Write a menu driven program to implement Priority Queue using linked list.
3. WAP to implement a queue using 2 stacks.
4. WAP to reverse a stack using recursion.
5. WAP to reverse a queue using recursion.
6. WAP to implement a queue using one stack.
7. WAP to implement a stack using one queue.
8. Write a program to implement 2 Stacks in a single array of size N. The stacks should not show overflow if there even a single slot available in the array. Write the functions popA(), popB(), pushA(), pushB() for pushing and popping from these stacks.