AAD1 (CSE2631) LAB EXPERIMENT

EXPERIMENT-08

Objective: Implement the Queue data structure to solve the following problems.

1. Implement a queue using a fixed-length array.
2. Implement a queue using a linked list.
3. Write a program reverse a stack using a queue.
4. Given an array of integers, find the maximum value in all the sliding windows of length k.
   Input: 11, 2, 75, 92, 59, 90, 55 and k=3
   Output: 75, 92, 92, 92, 90
5. **Josephus Problem**: Given players in a circle, eliminate every Nth one until one remains. (Hint: Circular behavior can be simulated using queue)