

## ❖ Circular Queue:

- Explanation- The problem is to implement a circular queue data structure using an array, which allows for efficient utilization of space by treating the array as circular. This implementation supports the basic operations of adding (enqueue) and removing (dequeue) elements while maintaining a first-in, first-out (FIFO) order. The program should provide an interactive interface for users to manipulate the queue and display its contents.
- Time Complexity- Enqueue:  $O(1)$   
Dequeue:  $O(1)$   
Display:  $O(n)$
- Space Complexity-  $O(n)$
- Flowchart-









