# Lab Experiments-Queues

(Date: 22/09/2024)

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1. **Implement a Queue Using Arrays/Lists:** Write a function to implement a queue using an array or list with basic operations: enqueue, dequeue, front, and isEmpty. [Read the Idea] [LeetCode-Do the program] [GFG-Do the Program]

2. **Implement a Queue Using Linked List:** Write a function to implement a queue using a linked list with basic operations: enqueue, dequeue, front, and isEmpty. [Read the Idea] [LeetCode-Do the program] [GFG-Do the Program]

3. **Implement a Circular Queue:** Write a function to implement a circular queue with basic operations: enqueue, dequeue, front, rear, and isEmpty.

[Read the Idea] [LeetCode-Do the program] [GFG-Do the Program]

4. **Generate Binary Numbers from 1 to N:** Write a function to generate binary numbers from 1 to N using a queue. [Read the Idea] [LeetCode-Do the program] [GFG-Do the Program]

5. **Implement a Queue Using Stacks:** Write a function to implement a queue using two stacks. (vice-versa). [Read the Idea] [LeetCode-Do the program] [GFG-Do the Program]