Assignment No. 8

Implementation of Circular Queue

Aim

Implementation of circular queue using array and perform following operations on it.

i) Add a record ii) Delete a record iii) Checking Empty iv) Checking Underflow v) Checking overflow

Objective(s)	
1	To understand the concept of Queue.
2	To understand the concept of Circular Queue.
3	To study how Queue is represented as an ADT.

Theory

- 1. What is Queue? Explain Queue operations with neat diagrams.
- 2. Explain how Queue can be implemented as an ADT.
- 3. What is Circular Queue? Explain with example.

Algorithms:

a) Algorithm to Insert an Element in a Circular Queue:

b) Algorithm to Delete an Element from a Circular Queue:

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Conclusion
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