

Lab 7

Queue

Note: Write all programs using function and pointer concept.

Using array -

1. Write a C Program to create linear queue.
2. Write a C Program to check fullness and emptiness of linear queue.
3. Write a C Program to enqueue and dequeue elements in linear queue.
4. Write a C Program to create circular queue.
5. Write a C Program to check fullness and emptiness of circular queue.
6. Write a C Program to enqueue and dequeue elements in circular queue.
7. Write a C Program to implement Dequeue with its basic operations.
8. Write a C Program to implement priority queue with its basic operations.

Using linked list -

9. Write a C Program to create linear queue.
10. Write a C Program to check emptiness of linear queue.
11. Write a C Program to enqueue and dequeue elements in linear queue considering that elements are integer.