**OUTPUT:-**

Enter 1 to insert.

Enter 2 to delete.

Enter 3 to peek at first element.

Enter 4 to display all elements of queue.

Enter 5 to exit.

1

Enter the number to be inserted.

5

Enter 1 to insert.

Enter 2 to delete.

Enter 3 to peek at first element.

Enter 4 to display all elements of queue.

Enter 5 to exit.

1

Enter the number to be inserted.

3

Enter 1 to insert.

Enter 2 to delete.

Enter 3 to peek at first element.

Enter 4 to display all elements of queue.

Enter 5 to exit.

1

Enter the number to be inserted.

7

Enter 1 to insert.

Enter 2 to delete.

Enter 3 to peek at first element.

Enter 4 to display all elements of queue.

Enter 5 to exit.

3

The topmost element is 5.

Enter 1 to insert.

Enter 2 to delete.

Enter 3 to peek at first element.

Enter 4 to display all elements of queue.

Enter 5 to exit.

4

The queue elements are :

5 3 7

Enter 1 to insert.

Enter 2 to delete.

Enter 3 to peek at first element.

Enter 4 to display all elements of queue.

Enter 5 to exit.

2

Enter 2 to delete an element.

The deleted element was 5.

Enter 1 to insert.

Enter 2 to delete.

Enter 3 to peek at first element.

Enter 4 to display all elements of queue.

Enter 5 to exit.

3

The topmost element is 3.

Enter 1 to insert.

Enter 2 to delete.

Enter 3 to peek at first element.

Enter 4 to display all elements of queue.

Enter 5 to exit.

4

The queue elements are :

3 7

Enter 1 to insert.

Enter 2 to delete.

Enter 3 to peek at first element.

Enter 4 to display all elements of queue.

Enter 5 to exit.

2

Enter 2 to delete an element.

The deleted element was 3.

Enter 1 to insert.

Enter 2 to delete.

Enter 3 to peek at first element.

Enter 4 to display all elements of queue.

Enter 5 to exit.

2

Enter 2 to delete an element.

The deleted element was 7.

Enter 1 to insert.

Enter 2 to delete.

Enter 3 to peek at first element.

Enter 4 to display all elements of queue.

Enter 5 to exit.

2

Enter 2 to delete an element.

Queue Underflow