

```
void display()
```

```
{  
    if (front == -1 && rear == -1)
```

```
        pf("underflow");
```

```
    else
```

```
    {  
        pf("Queue contents:");
```

```
        for (int i = front; i < rear + 1; i++)
```

```
        {  
            pf("%d", queue[i]);
```

```
        }  
    }  
}
```

```
int main()
```

```
{
```

```
    enqueue(10);
```

```
    enqueue(20);
```

```
    enqueue(30);
```

```
    displayQueue();
```

```
    int Dequed = dequeue();
```

```
    pf("Dequed item: %d", Dequed);
```

```
    displayQueue();
```

```
    return 0;
```

```
}
```

***** MAIN MENU *****

1. Insert an element
2. Delete an element
3. Display the queue
4. EXIT

Enter your option : 1

Enter the number to be inserted in the queue : 10

Inserted successfully

***** MAIN MENU *****

1. Insert an element
2. Delete an element
3. Display the queue
4. EXIT

Enter your option : 1

Enter the number to be inserted in the queue : 20

Inserted successfully

***** MAIN MENU *****

1. Insert an element
2. Delete an element
3. Display the queue
4. EXIT

Enter your option : 2

The number deleted is : 10

***** MAIN MENU *****

1. Insert an element
2. Delete an element
3. Display the queue
4. EXIT

Enter your option : 3

The elements of the queue are: 20

***** MAIN MENU *****

1. Insert an element
2. Delete an element
3. Display the queue
4. EXIT


```

int main() {
    enqueue(10);
    enqueue(20);
    enqueue(30);
    displayQueue();
    int dequed = dequeue();
    Pf("Dequed Item: %d", dequed);
    displayQueue();
    enqueue(40);
    enqueue(50);
    displayQueue;
    return 0;
}

```

50 0/8 44

40 0/12 4

Q11;

Queue contents: 10 20 30

Dequed item: 10

Queue contents: 20 30 40 50

***** MAIN MENU *****

1. Insert an element
2. Delete an element
3. Display the queue
4. EXIT

Enter your option :1

Enter the number to be inserted in the queue : 10

10 inserted successfully

***** MAIN MENU *****

1. Insert an element
2. Delete an element
3. Display the queue
4. EXIT

Enter your option :1

Enter the number to be inserted in the queue : 20

20 inserted successfully

***** MAIN MENU *****

1. Insert an element
2. Delete an element
3. Display the queue
4. EXIT

Enter your option :2

The number deleted is : 10

***** MAIN MENU *****

1. Insert an element
2. Delete an element
3. Display the queue
4. EXIT

Enter your option :2

The number deleted is : 20

***** MAIN MENU *****

1. Insert an element
2. Delete an element
3. Display the queue
4. EXIT