```
Queue Menu
1. Enqueue
2. Dequeue
3. Display
4. Peek
5. Exit
Enter your choice: 4
Front element is: 4

Queue Menu
1. Enqueue
2. Dequeue
3. Display
4. Peek
5. Exit
Enter your choice: 5
PS C:\Users\student\Desktop\1BF24CS292>
```

```
Queue Menu
1. Enqueue
2. Dequeue
3. Display
4. Peek
5. Exit
Enter your choice: 3
Queue elements: 3 4 5

Queue Menu
1. Enqueue
2. Dequeue
3. Display
4. Peek
5. Exit
Enter your choice: 2
Deleted element: 3

Queue Menu
1. Enqueue
2. Dequeue
3. Display
4. Peek
5. Exit
Enter your choice: 3
Queue elements: 4 5
```

WAP to stimulate the working of a queque of integers using an array. Provide the following operations: Insert, Delete, Display. The program should print appropriate messages for queque.

```
#define N 5
int queque [N]
int front = -1;
int rear = -1;
```

enqueue → if rear = N-1 print "Queue overflow")
else if front = -1 && rear = = -1
front = rear = 0;
~~que~~ queue [rear] = x;

else
rear ++;
queue [rear] = x

dequeue → if front = = -1 && rear = = -1
printf("Empty")

else if front = rear
~~printf~~ front = rear = -1

else
printf(Deleted element)
front ++;

display else {
for (i = front; i <= rear+1 : i++)
printf ("%d", queue [i]);

```
Queue Menu
1. Enqueue
2. Dequeue
3. Display
4. Peek
5. Exit
Enter your choice: 1
Enter the value to enqueue: 3

Queue Menu
1. Enqueue
2. Dequeue
3. Display
4. Peek
5. Exit
Enter your choice: 1
Enter the value to enqueue: 4

Queue Menu
1. Enqueue
2. Dequeue
3. Display
4. Peek
5. Exit
Enter your choice: 1
Enter the value to enqueue: 5
```