

Program 3 – Queue Implementation

Output 1:

```
C:\Users\student\Desktop\1BF24CS255\queue\bin\Debug\queue.exe
Enter size of queue: 4

Enter your choice:
1. Insert
2. Delete
3. Peek
4. Display
5. Exit
2

Queue is empty

Enter your choice:
1. Insert
2. Delete
3. Peek
4. Display
5. Exit
1
Enter value to be inserted: 1

Enter your choice:
1. Insert
2. Delete
3. Peek
4. Display
5. Exit
1
Enter value to be inserted: 2

Enter your choice:
1. Insert
2. Delete
3. Peek
4. Display
5. Exit
1
Enter value to be inserted: 3

Enter your choice:
1. Insert
2. Delete
3. Peek
4. Display
5. Exit
1
Enter value to be inserted: 4

Enter your choice:
1. Insert
2. Delete
3. Peek
4. Display
5. Exit
3

Front element: 1
```

```
C:\Users\student\Desktop\1BF24CS255\queue\bin\Debug\queue.exe

Enter your choice:
1. Insert
2. Delete
3. Peek
4. Display
5. Exit
4
Queue: 1 2 3 4
Enter your choice:
1. Insert
2. Delete
3. Peek
4. Display
5. Exit
1
Enter value to be inserted: 5

Queue Overflow

Enter your choice:
1. Insert
2. Delete
3. Peek
4. Display
5. Exit
2

Deleted element: 1

Enter your choice:
1. Insert
2. Delete
3. Peek
4. Display
5. Exit
3

Front element: 2

Enter your choice:
1. Insert
2. Delete
3. Peek
4. Display
5. Exit
5

Process returned 0 (0x0)  execution time : 76.507 s
Press any key to continue.
```