

3a. Linear Queue

```
C:\Users\aruna\Desktop\1BM24CS056> gcc Linear_q.c -o Linear_q.exe
C:\Users\aruna\Desktop\1BM24CS056>Linear_q.exe

--- Queue Operations ---
1. Insert
2. Delete
3. Display
4. Exit
Enter your choice: 3
Queue is Empty.

--- Queue Operations ---
1. Insert
2. Delete
3. Display
4. Exit
Enter your choice: 1
Enter the value to insert: 5
5 inserted into queue.

--- Queue Operations ---
1. Insert
2. Delete
3. Display
4. Exit
Enter your choice: 1
Enter the value to insert: 6
6 inserted into queue.

--- Queue Operations ---
1. Insert
2. Delete
3. Display
4. Exit
Enter your choice: 1
Enter the value to insert: 7
7 inserted into queue.
```

```
--- Queue Operations ---
1. Insert
2. Delete
3. Display
4. Exit
Enter your choice: 1
Enter the value to insert: 8
8 inserted into queue.

--- Queue Operations ---
1. Insert
2. Delete
3. Display
4. Exit
Enter your choice: 1
Enter the value to insert: 9
9 inserted into queue.

--- Queue Operations ---
1. Insert
2. Delete
3. Display
4. Exit
Enter your choice: 1
Queue Overflow! Cannot insert element.

--- Queue Operations ---
1. Insert
2. Delete
3. Display
4. Exit
Enter your choice: 3
Queue elements are:
5 6 7 8 9
```

```
--- Queue Operations ---
```

```
1. Insert
```

```
2. Delete
```

```
3. Display
```

```
4. Exit
```

```
Enter your choice: 2
```

```
5 deleted from queue.
```

```
--- Queue Operations ---
```

```
1. Insert
```

```
2. Delete
```

```
3. Display
```

```
4. Exit
```

```
Enter your choice: 3
```

```
Queue elements are:
```

```
6 7 8 9
```

```
--- Queue Operations ---
```

```
1. Insert
```

```
2. Delete
```

```
3. Display
```

```
4. Exit
```

```
Enter your choice: 4
```

```
Exiting program.
```

```
C:\Users\aruna\Desktop\1BM24CS056>
```