

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>|