OUTPUT

-MakeEmpty()

```
C:\Users\Basant\Desktop\Dsa lab\Lab_4.exe

Queue Menu:
1. MakeEmpty()
2. IsFull()
3. IsEmpty()
4. Enqueue()
5. Dequeue()
6. Traverse()
7. Exit
Enter your choice: 1
Queue is reset to empty.
```

-IsFull()

```
C:\Users\Basant\Desktop\Dsa lab\Lab_4.exe
Queue Menu:
1. MakeEmpty()
2. IsFull()
3. IsEmpty()
4. Enqueue()
5. Dequeue()
6. Traverse()
7. Exit
Enter your choice: 2
Queue is not full.
```

-IsEmpty()

```
C:\Users\Basant\Desktop\Dsa lab\Lab_4.exe
Enter your choice: 2
Queue is not full.

Queue Menu:
1. MakeEmpty()
2. IsFull()
3. IsEmpty()
4. Enqueue()
5. Dequeue()
6. Traverse()
7. Exit
Enter your choice: 3
Queue is empty.
```

-Enqueue()

```
C:\Users\Basant\Desktop\Dsa lab\Lab_4.exe
Queue is empty.

Queue Menu:
1. MakeEmpty()
2. IsFull()
3. IsEmpty()
4. Enqueue()
5. Dequeue()
6. Traverse()
7. Exit
Enter your choice: 4
Enter value to enqueue: 5
Enqueued: 5

Queue Menu:
1. MakeEmpty()
2. IsFull()
3. IsEmpty()
4. Enqueue()
5. Dequeue()
6. Traverse()
7. Exit
Enter your choice: 4
Enter value to enqueue: 6
Enqueued: 6
```

-Dequeue()

```
C:\Users\Basant\Desktop\Dsa lab\Lab_4.exe
Enqueued: 6

Queue Menu:
1. MakeEmpty()
2. IsFull()
3. IsEmpty()
4. Enqueue()
5. Dequeue()
6. Traverse()
7. Exit
Enter your choice: 5
Dequeued: 5
```

-Traverse()


```
C:\Users\Basant\Desktop\Dsa lab\Lab

Queue Menu:
1. MakeEmpty()
2. IsFull()
3. IsEmpty()
4. Enqueue()
5. Dequeue()
6. Traverse()
7. Exit
Enter your choice: 6
Queue elements: 6
```

-Exit


```
C:\Users\Basant\Desktop\Dsa lab\Lab_4.exe
Queue Menu:
1. MakeEmpty()
2. IsFull()
3. IsEmpty()
4. Enqueue()
5. Dequeue()
6. Traverse()
7. Exit
Enter your choice: 7
Exiting program.

--------------------------------
Process exited after 331.4 seconds with return value 0
Press any key to continue . . .
```