

```
C:\Users\Admin\Desktop\Neha\c_queue1.exe

-----QUEUE MENU-----
Choose your option
1.Enqueue
2.Dequeue
3.Display
4.Exit

Enter the element to be Enqueued: 23
Enqueued element: 23
-----QUEUE MENU-----
Choose your option
1.Enqueue
2.Dequeue
3.Display
4.Exit

Enter the element to be Enqueued: 27
Enqueued element: 27
-----QUEUE MENU-----
Choose your option
1.Enqueue
2.Dequeue
3.Display
4.Exit

Enter the element to be Enqueued: 76
```

```
30     printf("\nEnqueued element: %d", el);
31 }
32
33 void Display() {
34     if (isEmpty()) {
35         printf("\nQueue is Empty");
36         return;
37     }
38
39     printf("\nQueue: ");
40     int i = front;
41     while (i) {
42         printf("%d\t", queue[i]);
43         if (i == rear)
44             break;
45         i = (i + 1) % MAX;
46     }
47 }
48
49 int main() {
```

```
C:\Users\Admin\Desktop\Nidhi_c_queue1.c
-----QUEUE MENU-----
Choose your option
1.Enqueue
2.Dequeue
3.Display
4.Exit
Enter the element to be Enqueued: 76
Enqueued element: 76
-----QUEUE MENU-----
Choose your option
1.Enqueue
2.Dequeue
3.Display
4.Exit
Queue:
23
27
76
-----QUEUE MENU-----
Choose your option
1.Enqueue
2.Dequeue
3.Display
4.Exit
Dequeued element: 23
-----QUEUE MENU-----
30 printf("\nEnqueued element: %d",e1);
31 }
32
33 void Display() {
34     if (isEmpty()) {
35         printf("\nQueue is Empty");
36         return;
37     }
38
39     printf("\nQueue: ");
40     int i = front;
41     while (1) {
42         printf("%d\t", queue[i]);
43         if (i == rear)
44             break;
45         i = (i + 1) % MAX;
46     }
47 }
48
49 int main()
50 {
```

Activate Windows
Go to Settings to activate Windows

```
C:\Users\Admin\Desktop\Nidhi\c_queue1.exe
4.Exit3
Queue:
23
27
76
-----QUEUE MENU-----
Choose your option
1.Enqueue
2.Dequeue
3.Display
4.Exit2
Dequeued element: 23
-----QUEUE MENU-----
Choose your option
1.Enqueue
2.Dequeue
3.Display
4.Exit1
Enter the element to be Enqueued: 76
Enqueued element: 76
-----QUEUE MENU-----
Choose your option
1.Enqueue
2.Dequeue
3.Display
4.Exit1

30     printf("\nEnqueued element: %d",el);
31 }
32
33 void Display() {
34     if (isEmpty()) {
35         printf("\nQueue is Empty");
36         return;
37     }
38
39     printf("\nQueue: ");
40     int i = front;
41     while (1) {
42         printf("%d ", queue[i]);
43         if (i == rear)
44             break;
45         i = (i + 1) % MAX;
46     }
47 }
48
49 int main()
50 {
```

Activate Windows
Go to Settings to activate Windows.

```
C:\Users\Admin\Desktop\Nidhi\c_queue1.exe
Enqueued element: 45
-----QUEUE MENU-----
Choose your option
1.Enqueue
2.Dequeue
3.Display
4.Exit1
Enter the element to be Enqueued: 98
Enqueued element: 98
-----QUEUE MENU-----
Choose your option
1.Enqueue
2.Dequeue
3.Display
4.Exit1
Queue is full
-----QUEUE MENU-----
Choose your option
1.Enqueue
2.Dequeue
3.Display
4.Exit3
Queue:
27
76
76
```

```
30     printf("\nEnqueued element: %d",e1);
31 }
32
33 void Display() {
34     if (isEmpty()) {
35         printf("\nQueue is Empty");
36         return;
37     }
38
39     printf("\nQueue: ");
40     int i = front;
41     while (i != -1) {
42         printf("%d ", queue[i]);
43         if (i == rear)
44             break;
45         i = (i + 1) % MAX;
46     }
47 }
48
49 int main() {
```

Activate Windows
Go to Settings to activate Windows.

```
C:\Users\Admin\Desktop\Nidhi\c_queue1.exe
-----QUEUE MENU-----
Choose your option
1.Enqueue
2.Dequeue
3.Display
4.Exit2
Queue is empty
-----QUEUE MENU-----
Choose your option
1.Enqueue
2.Dequeue
3.Display
4.Exit3
Queue is Empty
-----QUEUE MENU-----
Choose your option
1.Enqueue
2.Dequeue
3.Display
4.Exit4
Process returned 0 (0x0)   execution time : 35.615 s
Press any key to continue.
```

```
30     printf("\nEnqueued element: %d",e1);
31 }
32
33 void Display() {
34     if (isEmpty()) {
35         printf("\nQueue is Empty");
36         return;
37     }
38
39     printf("\nQueue: ");
40     int i = front;
41     while (i) {
42         printf("%d\t", queue[i]);
43         if (i == rear)
44             break;
45         i = (i + 1) % MAX;
46     }
47 }
48
49 int main() {
50 }
```

Activate Windows
Go to Settings to activate Windows.