## **EXPERIMENT NO.04**

## PROGRAM:

```
| Temporal Content of the Content of
```

```
43 do
44 {
45 printf("\n input Restricted Deque");
46 printf("\n i.nsert at right");
47 printf("\n i.nsert at right");
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48 printf("\n i.nsert at right");
49 printf("\n i.nsert at right");
40 printf("\n i.nsert at right");
50 printf("\n i.nsert at right");
51 printf("\n i.nsert at right");
52 canf("\nd" i.nsert at right");
53 switch(option);
54 {
55 case 1:
56 insertRear();
57 break;
58 case 2:
59 deleteRear();
60 preak;
61 case 3:
62 deleteRear();
63 case 4:
65 display();
66 preak;
67 }
68 printf("\n i.nsert at right");
67 }
68 printf("\n i.nsert at right");
67 printf("\n i.nsert at right");
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64 printf("\n i.nsert at left");
65 printf("\n i.nsert at
```

```
a Scanf('d', Aoption);
a Scanf('d', Aoption);
as Case (tool(option))

as
```

```
227 int value;

228 ('(sEmpty()) (
239 Frint('Queue Empty');

231 Frint('Queue Empty');

231 Frint('Queue Empty');

232 }

233 }

234 value =

235 Queue(FROWT);

236 REAR = REAR = -1;

239 clue

230 rear ('Rear = REAR = -1);

230 rear ('Rear = REAR = -1);

240 rear ('Rear = REAR = -1);

251 rear ('Rear = REAR = -1);

252 rear ('Rear = REAR = -1);

253 print('The deleted elenent from Front is : xd*, value);

254 value = Queue (REAR);

255 value = Queue (REAR);

256 value = Queue (REAR);

257 rear = REAR = -1;

258 rear = REAR = -1;

259 rear = REAR = -1;

250 value = Queue (REAR);

250 value = Queue (REAR);
```

## **OUTPUT:**

```
titi@2201407:-$ gcc dequeue.c
titi@2201407:-$ gcc dequeue.c
titi@2201407:-$ gcc dequeue.c

titi@2201407:-$ gcc dequeue.c

1.Input restricted deque
2.Output restricted deque
2.Output restricted deque
1.Insert at right
3.Output for night
5.Output
Enter your option : 1
Enter Element :22

INPUT RESTRICTED DEQUE
1.Insert at right
4. Output
Enter your option : 1
Enter Element :22

INPUT RESTRICTED DEQUE
1.Insert at right
4. Output
2.Output
Enter your option : 1
Enter Element :22

INPUT RESTRICTED DEQUE
1.Insert at right
4. Output
2. Output
Enter your option : 1
Enter Element :25

INPUT RESTRICTED DEQUE
1.Insert at right
2. Output
2. Output
3. Output
5. Output
6. O
```

```
INPUT RESTRICTED DEQUE

1.Insert at right
2.Delete from left
3.Delete from left
3.Delete from ight
4.Otsplay
5.Enter your option: 1
Enter Element: 22

IMPUT RESTRICTED DEQUE
1.Insert at right
2.Delete from left
3.Delete from left
3.Delete from left
3.Delete from left
3.Delete from left
4.Display
5.Quit
Enter your option: 1
Enter Element: 25

IMPUT RESTRICTED DEQUE
1.Insert at right
2.Delete from left
3.Delete from right
4.Display
5.Quit
Enter your option: 1
Enter Element: 30

IMPUT RESTRICTED DEQUE
1.Insert at right
2.Delete from left
3.Delete from left
3.Delete from left
3.Delete from left
3.Delete from left
4.Display
5.Quit
Enter your option: 4
Frinting bequeue:
20
22
30
22
30
```

SUBMITTED BY- SHAMAL BHANUDAS DEORE CLASS/DIV- SY-IT-A ROLL NO-18