```
1:Insert rear
2:Delete rear
3:Insert front
4:Delete front
5:Insert info position
6:Delete info position
7:Display list
8:Exit
Enter the choice: 1
Enter the item at rear end
10

1:Insert rear
2:Delete rear
3:Insert front
4:Delete front
5:Insert info position
6:Delete info position
7:Display list
8:Exit
Enter the choice: 1
Enter the item at rear end
20

1:Insert rear
2:Delete rear
3:Insert front
4:Delete front
5:Insert info position
6:Delete info position
7:Display list
8:Exit
Enter the choice: 3

Enter the item at front end
30

1:Insert rear
2:Delete rear
3:Insert front
```

```
:Insert info position
:Delete info position
:Display list
:Exit
nter the choice: 4
tem deleted at front end is 30

:Insert rear
:Delete rear
:Insert front
:Delete front
:Insert info position
:Delete info position
:Display list
:Exit
nter the choice: 7
0

:Insert rear
:Delete rear
:Insert front
:Delete front
:Insert info position
:Delete info position
:Display list
:Exit
nter the choice: 5
nter the item to be inserted at given position
0
nter the position


:Insert rear
:Delete rear
:Insert front
:Delete front
:Insert info position
:Delete info position
:Display list
:Exit
nter the choice:
```

```
:Delete info position
:Display list
:Exit
nter the choice: 5
nter the item to be inserted at given position
0
nter the position


:Insert rear
:Delete rear
:Insert front
:Delete front
:Insert info position
:Delete info position
:Display list
:Exit
nter the choice: 6
nter the position


:Insert rear
:Delete rear
:Insert front
:Delete front
:Insert info position
:Delete info position
:Display list
:Exit
nter the choice: 7
0

:Insert rear
:Delete rear
:Insert front
:Delete front
:Insert info position
:Delete info position
:Display list
:Exit
nter the choice:
```