

Double Ended Queue:

```
=====
1.insert_rear
2.insert_front
3.delete_rear
4.delete_front
5.display
6.exit
enter choice
2
enter the item
12
=====
1.insert_rear
2.insert_front
3.delete_rear
4.delete_front
5.display
6.exit
enter choice
1
enter the item
23
=====
1.insert_rear
2.insert_front
3.delete_rear
4.delete_front
5.display
6.exit
enter choice
1
enter the item
34
```

```
=====
1.insert_rear
2.insert_front
3.delete_rear
4.delete_front
5.display
6.exit
enter choice
1
enter the item
45
=====
1.insert_rear
2.insert_front
3.delete_rear
4.delete_front
5.display
6.exit
enter choice
1
enter the item
56
=====
1.insert_rear
2.insert_front
3.delete_rear
4.delete_front
5.display
6.exit
enter choice
5
```

```

12
23
34
45
56
=====
1.insert_rear
2.insert_front
3.delete_rear
4.delete_front
5.display
6.exit
enter choice
3
item deleted is 56
=====
1.insert_rear
2.insert_front
3.delete_rear
4.delete_front
5.display
6.exit
enter choice
4
item deleted is 12
=====
1.insert_rear
2.insert_front
3.delete_rear
4.delete_front
5.display

```

Input Restricted DEQ.

```

=====
1.insert_rear
2.delete_rear
3.delete_front
4.display
5.exit
enter choice
1
enter the item
12
=====
1.insert_rear
2.delete_rear
3.delete_front
4.display
5.exit
enter choice
1
enter the item
23
=====
1.insert_rear
2.delete_rear
3.delete_front
4.display
5.exit
enter choice
1
enter the item
34
=====
1.insert_rear
2.delete_rear
3.delete_front
4.display
5.exit
enter choice
1

```

```

enter the item
45
=====
1.insert_rear
2.delete_rear
3.delete_front
4.display
5.exit
enter choice
1
enter the item
56
=====
1.insert_rear
2.delete_rear
3.delete_front
4.display
5.exit
enter choice
4
=====The elements of Queue=====
12
23
34
45
56
=====
1.insert_rear
2.delete_rear
3.delete_front
4.display
5.exit
enter choice
4

```

```

=====The elements of Queue=====
12
23
34
45
56
=====
1.insert_rear
2.delete_rear
3.delete_front
4.display
5.exit
enter choice
2
item deleted is 56
=====
1.insert_rear
2.delete_rear
3.delete_front
4.display
5.exit
enter choice
3
item deleted is 12
=====
1.insert_rear
2.delete_rear
3.delete_front
4.display
5.exit
enter choice
4
=====The elements of Queue=====
23
34
45

```

```
=====
1.insert_rear
2.delete_rear
3.delete_front
4.display
5.exit
enter choice
5
```

Output Restricted DEQ.

```
=====
1.insert_rear
2.insert_front
3.delete_front
4.display
5.exit
enter choice
2
enter the item
12
=====
1.insert_rear
2.insert_front
3.delete_front
4.display
5.exit
enter choice
1
enter the item
23
=====
1.insert_rear
2.insert_front
3.delete_front
4.display
5.exit
enter choice
1
enter the item
34
=====
1.insert_rear
2.insert_front
3.delete_front
4.display
5.exit
enter choice
```

```
5.exit
enter choice
3
item deleted is 12
=====
1.insert_rear
2.insert_front
3.delete_front
4.display
5.exit
enter choice
2
enter the item
45
=====
1.insert_rear
2.insert_front
3.delete_front
4.display
5.exit
enter choice
4
=====Contents of the Queue:=====
45
23
34
=====
1.insert_rear
2.insert_front
3.delete_front
4.display
5.exit
enter choice
5

...Program finished with exit code 0
```