```
1: Insert front
2: Insert rear
3: Delete front
4: Delete rear
5: Insert to the left of the key element
6:Insert to the right of the key element
7: Search
8: Delete duplicate terms
9: Display
10: Exit
Enter the choice
enter the item at front end

    Insert front

2: Insert rear
3: Delete front
4: Delete rear
5: Insert to the left of the key element
6:Insert to the right of the key element
7: Search
8: Delete duplicate terms
9: Display
10: Exit
Enter the choice
enter the item at rear end
1: Insert front
2: Insert rear
3: Delete front
4: Delete rear
5: Insert to the left of the key element
6:Insert to the right of the key element
7: Search
8: Delete duplicate terms
9: Display
10: Exit
Enter the choice
enter the item at front end
14

    Insert front

Insert rear
3: Delete front
4: Delete rear
5: Insert to the left of the key element
6:Insert to the right of the key element
7: Search
8: Delete duplicate terms
9: Display
10: Exit
Enter the choice
enter the item at rear end
15
```

```
1: Insert front
2: Insert rear
3: Delete front
4: Delete rear
5: Insert to the left of the key element
6:Insert to the right of the key element
7: Search
8: Delete duplicate terms
9: Display
10: Exit
Enter the choice
enter the item at front end
15
1: Insert front
Insert rear
3: Delete front
4: Delete rear
5: Insert to the left of the key element
6:Insert to the right of the key element
7: Search
8: Delete duplicate terms
9: Display
10: Exit
Enter the choice
contents of doubly linked list:
15 14 12 13 15
1: Insert front
2: Insert rear
3: Delete front
4: Delete rear
5: Insert to the left of the key element
6:Insert to the right of the key element
7: Search
8: Delete duplicate terms
9: Display
10: Exit
Enter the choice
the node deleted is 15
1: Insert front
2: Insert rear
3: Delete front
4: Delete rear
5: Insert to the left of the key element
6:Insert to the right of the key element
7: Search
8: Delete duplicate terms
9: Display
10: Exit
Enter the choice
enter the item at front end
15
1: Insert front
2: Insert rear
```

```
    Insert front

2: Insert rear
3: Delete front
4: Delete rear
5: Insert to the left of the key element
6:Insert to the right of the key element
7: Search
8: Delete duplicate terms
9: Display
10: Exit
Enter the choice
enter the key element
enter towards left of 13=11
1: Insert front
2: Insert rear
3: Delete front
4: Delete rear
5: Insert to the left of the key element
6:Insert to the right of the key element
7: Search
8: Delete duplicate terms
9: Display
10: Exit
Enter the choice
contents of doubly linked list:
15 14 12 11 13 15
1: Insert front
2: Insert rear
3: Delete front
4: Delete rear
5: Insert to the left of the key element
6:Insert to the right of the key element
7: Search
8: Delete duplicate terms
9: Display
10: Exit
Enter the choice
enter the search element
14
search successful
1: Insert front
2: Insert rear
3: Delete front
4: Delete rear
5: Insert to the left of the key element
6:Insert to the right of the key element
7: Search
8: Delete duplicate terms
9: Display
10: Exit
Enter the choice
enter element to be deleted
```

```
    Insert front

2: Insert rear
3: Delete front
4: Delete rear
5: Insert to the left of the key element
6:Insert to the right of the key element
7: Search
8: Delete duplicate terms
9: Display
10: Exit
Enter the choice
contents of doubly linked list:
15 14 12 11 13 15
1: Insert front
2: Insert rear
3: Delete front
4: Delete rear
5: Insert to the left of the key element
6:Insert to the right of the key element
7: Search
8: Delete duplicate terms
9: Display
10: Exit
Enter the choice
enter the search element
search successful
1: Insert front
2: Insert rear
3: Delete front
4: Delete rear
5: Insert to the left of the key element
6:Insert to the right of the key element
7: Search
8: Delete duplicate terms
9: Display
10: Exit
Enter the choice
enter element to be deleted
found at 2 positions and are deletedcontents of doubly linked list:
14 12 11 13

    Insert front

2: Insert rear
3: Delete front
4: Delete rear
5: Insert to the left of the key element
6:Insert to the right of the key element
7: Search
8: Delete duplicate terms
9: Display
10: Exit
Enter the choice
```