```
mahantesh@mahantesh-Inspiron-15-3567:~/Data Structures/lab/lab8$ make list
cc     list.c   -o list
mahantesh@mahantesh-Inspiron-15-3567:~/Data Structures/lab/lab8$ ./list

 1:Insert_front
 2.Delete_rear
 3.Sort
 4.Total items in the list
 5.Search
 6.Display
 7.Exit
 Enter your choice
1
enter the item at front-end
1

 1:Insert_front
 2.Delete_rear
 3.Sort
 4.Total items in the list
 5.Search
 6.Display
 7.Exit
 Enter your choice
1
enter the item at front-end
23

 1:Insert_front
 2.Delete_rear
 3.Sort
 4.Total items in the list
 5.Search
 6.Display
 7.Exit
 Enter your choice
1
enter the item at front-end
6

 1:Insert_front
 2 Delete_rear
```

```
enter the item at front-end
6

 1:Insert_front
 2.Delete_rear
 3.Sort
 4.Total items in the list
 5.Search
 6.Display
 7.Exit
 Enter your choice
6
List :
6
23
1

 1:Insert_front
 2.Delete_rear
 3.Sort
 4.Total items in the list
 5.Search
 6.Display
 7.Exit
 Enter your choice
3
Items In Sorted Order are
1
6
23

 1:Insert_front
 2.Delete_rear
 3.Sort
 4.Total items in the list
 5.Search
 6.Display
 7.Exit
 Enter your choice
4
Total items in the list is 3
```

```
 7.Exit
 Enter your choice
4
Total items in the list is 3

 1:Insert_front
 2.Delete_rear
 3.Sort
 4.Total items in the list
 5.Search
 6.Display
 7.Exit
 Enter your choice
5
Enter the item that you want to search:
6
Element found and is in the position 2
List :
1
6
23

 1:Insert_front
 2.Delete_rear
 3.Sort
 4.Total items in the list
 5.Search
 6.Display
 7.Exit
 Enter your choice
2
item deleted at rear-end is 23
 1:Insert_front
 2.Delete_rear
 3.Sort
 4.Total items in the list
 5.Search
 6.Display
 7.Exit
 Enter your choice
7
mahantesh@mahantesh-Inspiron-15-3567:~/Data Structures/lab/lab8$
```