

```
1 import java.util.LinkedList;
2
3 public class LinkedListExample {
4     public static void main(String args[]){
5
6         LinkedList<String> linkedlist = new
        LinkedList<>();
7
8         linkedlist.add("Item1");
9         linkedlist.add("Item5");
10        linkedlist.add("Item3");
11        linkedlist.add("Item6");
12        linkedlist.add("Item2");
13
14        System.out.println("Linked List Content" +
        linkedlist);
15        linkedlist.addFirst("First Item");
16        linkedlist.addLast("Last Item");
17        System.out.println("LinkedList Content
        after addition: " + linkedlist);
18
19        Object firstvar = linkedlist.get(0);
20        System.out.println("First element: " +
        firstvar);
21        linkedlist.set(0, "Changed first item");
22        Object firstvar2 = linkedlist.get(0);
23        System.out.println("First element after
        update by set method: " + firstvar2);
24
25        linkedlist.removeFirst();
26        linkedlist.removeLast();
27
28        System.out.println("LinkedList after
        deletion of first and last element:" + linkedlist);
29
30        linkedlist.add(0, "Newly added item");
31        linkedlist.remove(2);
32        System.out.println("Final Content: " +
        linkedlist);
33
34
```

```
35     }  
36 }  
37
```

```
1 import java.util.Collections;
2 import java.util.LinkedList;
3
4 public class LinkedListsortExample {
5     public static void main(String[] args){
6         LinkedList<String> linkedList = new
        LinkedList<>();
7         linkedList.add("A");
8         linkedList.add("C");
9         linkedList.add("B");
10        linkedList.add("D");
11
12        System.out.println(linkedList);
13
14        Collections.sort(linkedList);
15
16        System.out.println(linkedList);
17
18        Collections.sort(linkedList, Collections.
        reverseOrder());
19
20        System.out.println(linkedList);
21    }
22 }
23
24
```