```java
import java.util.ArrayList;
import java.util.Collections;
import java.util.List;

/* Assignment No. 21:
 *
 * Program-1

  Design the method which return the list that contain the
element as Ram, Sohan, Ashok, Ajay,
  Prasanna now I want to sort that element based on
descending order.
   */

public class SortList {

     // Method for returning list elements
     public List<String> getListElements() {
          List<String> list = new ArrayList<String>();
          list.add("Ram");
          list.add("Sohan");
          list.add("Ashok");
          list.add("Ajay");
          list.add("Prasanna");

          return list;
     }

     public static void main(String[] args) {
          SortList sortList = new SortList();

          // Stored the list element into new List variable
          List<String> asendingList =
sortList.getListElements();

          // Sort the list in ascending order
          Collections.sort(asendingList);
          System.out.println("List in ascending order>>" +
asendingList);
```

```
            // Print the list in ascending order
            System.out.print("List in descending order>>");
            for (int i = asendingList.size() - 1; i >= 0; i--)
{
                System.out.print(asendingList.get(i) + " ");
            }

    }

}
```

Output

```
List in ascending order>>[Ajay, Ashok, Prasanna, Ram, Sohan]
List in descending order>>Sohan Ram Prasanna Ashok Ajay
```

```
import java.util.LinkedList;

/*
 * Assignment 21
 * Program-2
 * Suppose I have one container that contain  different
colors of ballons
 * such as Red, Blue, Green, Red,Blue,Red, Blue, Green in
this order,
 * now sort that baloon in such manner so Red baloon will be
added first
 * then Blue baloon and last is Green balloons. Use the
proper collection.
 */
public class BaloonSort {

    public static void main(String[] args) {

        // Storing the balloon colors in List container
        LinkedList<String> list = new LinkedList<String>();
        list.add("Red");
        list.add("Blue");
        list.add("Green");
        list.add("Red");
```

```
            list.add("Blue");
            list.add("Red");
            list.add("Blue");
            list.add("Green");

            // Second list for storing the output
            LinkedList<String> list2 = new
LinkedList<String>();

            // Print the list values
            System.out.println("Elements in List container>>");
            System.out.println(list);
            for (String str : list) {
                 if (str.equals("Red")) {
                      list2.addFirst("Red");
                 }

                 else if (str.equals("Blue")) {
                      list2.add("Blue");
                 }
            }

            for (String str : list) {
                 if (str.equals("Green")) {
                      list2.add("Green");
                 }
            }

            System.out.println("Output:");
            System.out.println(list2);

      }

}
Output
Elements in List container>>
[Red, Blue, Green, Red, Blue, Red, Blue, Green]
Output:
[Red, Red, Red, Blue, Blue, Blue, Green, Green]
```