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package cn.sxt.collection;

import java.util.*;

/**
 * 测试Collection接口中的方法
 * @author 江
 *
 */
public class TestList {

    public static void main(String[] args) {

        Object[] obj=new Object[5];

        test01();
        test02();
        test03();

    }


    public static void test01() {

        Collection<String> c=new ArrayList<>();

        System.out.println(c.size());
        System.out.println(c.isEmpty());

        c.add("江一");
        c.add("江二");
        System.out.println(c.size());
        System.out.println(c);

        System.out.println(c.contains("江一"));
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        Object[] obj=c.toArray();
        System.out.println(c);

        c.remove("江一");
        System.out.println(c);

        c.clear();
        System.out.println(c);
    }

    public static void test02() {
        List<String> list1=new ArrayList<>();
        list1.add("aa");
        list1.add("bb");
        list1.add("cc");

        List<String> list2=new ArrayList<>();
        list2.add("aa");
        list2.add("dd");
        list2.add("ee");

        System.out.println(list1);

        System.out.println(list1.containsAll(list2));

        list1.addAll(list2);
        System.out.println(list1);

        list1.removeAll(list2);
```

```
System.out.println(list1);

list1.retainAll(list2);
System.out.println(list1);

}

public static void test03() {
    List<String> list=new ArrayList<>();
    list.add("a");
    list.add("b");
    list.add("c");
    list.add("d");

    System.out.println(list);

    list.add(2, "江");
    System.out.println(list);

    list.remove(2);
    System.out.println(list);

    list.set(2, "江小二");
    System.out.println(list);

    System.out.println(list.get(2));

    list.add("c");
    list.add("b");
    list.add("a");
```

```
System.out.println(list);
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System.out.println(list.indexOf("b"));
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System.out.println(list.lastIndexOf("b"));
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}
```

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}
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