

Main.java

Share

Run

```
1- import java.util.List;
2- public class NumberUtils{
3-     public static <T extends Number> int[] calculateSumOfEvenAndOdd(List<T> numbers
4-     ){
5-         int sumEven=0;
6-         int sumOdd=0;
7-         for(T number:numbers){
8-             if(number.intValue()%2==0){
9-                 sumEven+=number.intValue();
10-             }else{
11-                 sumOdd+=number.intValue();
12-             }
13-         }
14-         return new int[]{sumEven, sumOdd};
15-     }
16-     public static void main(String[] args){
17-         List<Integer> numbers=List.of(1,2,3,4,5,6,7,8,9,10);
18-         int[] sums=calculateSumOfEvenAndOdd(numbers);
19-         System.out.println("Sum of Even Numbers: " + sums[0]);
20-         System.out.println("Sum of Odd Numbers: " + sums[1]);
21-     }
}
```

Output

Clear

```
java -cp /tmp/CVFydC3gbU/NumberUtils
Sum of Even Numbers: 30
Sum of Odd Numbers: 25

=== Code Execution Successful ===
```

Main.java

Share

Run

```
1- import java.util.List;
2- public class GenericListSearch{
3-     public static <T> int findIndex(List<T> list,T target){
4-         if (list==null || target==null){
5-             return -1;
6-         }
7-         for (int i=0; i < list.size();i++){
8-             if (list.get(i).equals(target)){
9-                 return i;
10-            }
11-        }
12-        return -1;
13-    }
14-    public static void main(String[] args){
15-        List<Integer> intList=List.of(1,2,3,4,5);
16-        int targetIndex=findIndex(intList,3);
17-        System.out.println("Index of target element: " + targetIndex);
18-    }
19- }
20
```

Output

Clear

```
java -cp /tmp/snazP8gUtd/GenericListSearch
Index of target element: 2

=== Code Execution Successful ===
```