

Your task here is to implement Java code based on the following specifications. Note that your code should match the specifications in a precise manner. Consider default visibility of classes, data fields and methods unless mentioned otherwise.

Specifications:

class definitions:

class Implementation:

method definitions:

changeOccurrence(ArrayList<String> list, String a

return type: ArrayList<String>

visibility: public

getIndex(ArrayList<String> list):

return type: String

visibility: public

addAfter(ArrayList<String> list, String a, String

return type: ArrayList<String>

visibility: public

Task:

class Implementation

Implement the below given methods for the class.

- ArrayList<String> changeOccurrence(ArrayList<String> list, String a, String b): Method to change the occurrence of 'a' to 'b' in the ArrayList.

Task:

class Implementation

-implement the below given methods for this class:

- ArrayList<String> changeOccurrence(ArrayList<String> list, String a, String b): Method to change all occurrences of **a** to **b** in the ArrayList
- String getIndex(ArrayList<String> list): Method to return the element present at index 0 in the list
- ArrayList<String> addAfter(ArrayList<String> list, String a, String b): Method to add string **b** after the string element **a** and return the list containing all the elements with **b** after **a**

Sample Input

```
ArrayList<String> name = new ArrayList<>();
name.add("A");
name.add("B");
name.add("C");
name.add("D");
name, "B", "S" --Input for Method1
name --Input for Method2--
(name, "B", "S") --Input for Method3--
```

Sample Output:



3h 51m
left

Help

All

1

2

3

4

Sample Input

```
ArrayList<String> name = new ArrayList<>();  
name.add("A");  
name.add("B");  
name.add("C");  
name.add("D");  
name, "D", "S" --Input for Method1--  
name --Input for Method2--  
(name, "B", "S") --Input for Method3--
```

Sample Output:

```
[A, S, C, D]  
A  
[A, B, S, C, D]
```

NOTE

- You can make suitable function calls and use **RUN CODE** button to check your **main()** method output.

Execution time limit

10 seconds

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```
1 import java.util.ArrayList;
2 import java.util.Iterator;
3 import java.util.List;
4 import java.util.ListIterator;
5 class Implementation{
6     //Write Your Code Here..
7     public ArrayList<String> changedOccurrence(ArrayList<String> list, String a, String b){
8         for(int i=0;i<list.size();i++){
9             if(list.get(i).equals(a)){
10                 list.set(i, b);
11             }
12         }
13         return list;
14     }
15
16     public String getIndex(ArrayList<String> list){
17         String str = list.get(0);
18         return str;
19     }
20
21     public ArrayList<String> addAfter(ArrayList<String> list, String a, String b){
22         for(int i=0;i<list.size();i++){
23             if(list.get(i).equals(a)){
24                 list.add(i+1, b);
25             }
26         }
27         return list;
28     }
29 }
30 public class Source {
31     public static void main(String args[] ) {
32         /* Enter your code here. Read input from STDIN. Print output to STDOUT */
33     }
```