956. Data Segmentation

Given a string str, we need to extract the symbols and words of the string in order.

Example

**Example 1:**

input: str = "(hi (i am)bye)"

outut:["(","hi","(","i","am",")","bye",")"].

Explanation:Separate symbols and words.

**Example 2:**

input: str = "#ok yes"

outut:["#","ok","yes"]

Explanation:Separate symbols and words.

**Example 3:**

input: str = "##s"

outut:["#","#","s"]

Explanation:Separate symbols and words.

Notice

* The length of str does not exceed 10000.
* The given str contains only lowercase letters, symbols, and spaces.

<https://www.lintcode.com/problem/data-segmentation/description>

1. */\**
2. *\* To change this license header, choose License Headers in Project Properties.*
3. *\* To change this template file, choose Tools | Templates*
4. *\* and open the template in the editor.*
5. *\*/*
6. **package** javaapplication63;
8. **import** java.util.ArrayList;
10. ***/\*\****
11. ***\****
12. ***\* @author Usuario***
13. ***\*/***
14. **public** **class** JavaApplication63 {

17. **public** **static** String[] dataSegmentation(String str) {
18. *// Write your code here*
19. ArrayList<String> lista =
20. **new** ArrayList ();
21. String concat = "";
22. **for** (**int** i = 0; i < str.length(); i++)
23. {
24. **if** (!Character.isLetter(str.charAt(i)))
25. {
26. concat = concat.trim();
28. **if**(concat.length() > 0) lista.add(concat);
29. concat = "";
30. *//lista.Add(String.valueOf(split[i].charAt(j)));*
31. **if**(str.charAt(i) != ' ') {
32. lista.add( String.valueOf(str.charAt(i)));
33. }
35. }
36. **else**
37. {
38. concat += str.charAt(i);
39. *//lista.add( split[i] );*
40. }
41. }
42. **if** (concat.length() > 0) lista.add(concat);
43. String[] arr = lista.toArray(**new** String[lista.size()]);
45. *//return arr;*
47. **return** arr;
49. }
51. **public** **static** **void** main(String[] args) {
52. *// TODO code application logic here*
54. *//String input  = "(hi (i am)bye)";*
55. String input = "a";
57. String[] res = dataSegmentation(input);
58. *// outut:["(","hi","(","i","am",")","bye",")"].*
60. **for**(**int** i =0; i < res.length; i++) {
61. System.out.println(res[i]);
62. }

65. }
67. }