684. Missing String

* [Description](http://lintcode.com/en/problem/missing-string/#description)
* [Notes](http://lintcode.com/en/problem/missing-string/#note)
* [Testcase](http://lintcode.com/en/problem/missing-string/#testcase)
* [Judge](http://lintcode.com/en/problem/missing-string/#judge)
* Given two strings, you have to find the missing string.
* **Example**
* Given a string str1 = This is an example  
  Given another string str2 = is example
* Return ["This", "an"]

Accepted

Total Runtime: 2027 ms

100% test cases passed.

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package javaapplication1;

import java.util.\*;

public class JavaApplication1 {

public static List<String> missingString(String str1, String str2) {

// Write your code here

String[] a = str1.split(" ");

String[] b = str2.split(" ");

// Arrays.sort(a);

// Arrays.sort(b);

List<String> lista =

new ArrayList();

for(int i =0; i<a.length; i++) {

int j;

for( j = 0; j<b.length; j++) {

if(a[i].equals(b[j])) {

break;

}

}

if(j >= b.length) {

lista.add(a[i]);

}

}

return lista;

}

public static void main(String[] args) {

// TODO code application logic here

String str1 = "This is an example";

String str2 = "is example"; //["This", "an"]

for(String elem : missingString(str1, str2)) {

System.out.print(elem + " ");

}

}

}

public static List<String> missingString(String str1, String str2) {

String[] a = str1.split(" ");

String[] b = str2.split(" ");

List<String> x = Arrays.asList(a);

List<String> y = Arrays.asList(b);

List<String> lista = new ArrayList();

for(int i =0; i<x.size(); i++) {

if(!y.contains(x.get(i))) {

lista.add(x.get(i));

}

}

return lista;

}