55. Compare Strings

* [Description](http://www.lintcode.com/en/problem/compare-strings/" \l "description)
* [Notes](http://www.lintcode.com/en/problem/compare-strings/#note)
* [Testcase](http://www.lintcode.com/en/problem/compare-strings/#testcase)
* [Judge](http://www.lintcode.com/en/problem/compare-strings/#judge)

Compare two strings A and B, determine whether A contains all of the characters in B.

The characters in string A and B are all **Upper Case**letters.

 Notice

The characters of B in A are not necessary continuous or ordered.

Have you met this question in a real interview?

Yes

**Example**

For A = "ABCD", B = "ACD", return true.

For A = "ABCD", B = "AABC", return false.

<http://www.lintcode.com/en/problem/compare-strings/#>

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*\*/*

**package** javaapplication10;

**import** java.util.ArrayList;

**import** java.util.Arrays;

**import** java.util.Collections;

**import** java.util.HashMap;

**import** java.util.List;

***/\*\****

***\****

***\* @author Usuario***

***\*/***

**public** **class** JavaApplication10 {

***/\*\****

***\* @param args the command line arguments***

***\*/***

**public** **static** **boolean** compareStrings(String A, String B) {

*// write your code here*

        HashMap<Character, Integer> hma =

**new** HashMap();

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

**if**(hma.containsKey(A.charAt(i))) {

                hma.put(A.charAt(i), hma.get(A.charAt(i))+1);

            } **else** {

                hma.put(A.charAt(i), 1);

            }

        }

        HashMap<Character, Integer> hmb =

**new** HashMap();

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

**if**(hmb.containsKey(B.charAt(i))) {

                hmb.put(B.charAt(i), hmb.get(B.charAt(i))+1);

            } **else** {

                hmb.put(B.charAt(i), 1);

            }

        }

**for**(**char** key : hmb.keySet()) {

**if**(!hma.containsKey(key)) **return** **false**;

**else** {

**if**(hma.get(key) < hmb.get(key)) {

**return** **false**;

                }

            }

        }

**return** **true**;

    }

**public** **static** **void** main(String[] args) {

*// TODO code application logic here*

    }

}