**5 kyu**

**Find the unique string**

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Python

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There is an array of strings. All strings contains similar *letters* except one. Try to find it!

find\_uniq([ 'Aa', 'aaa', 'aaaaa', 'BbBb', 'Aaaa', 'AaAaAa', 'a' ]) # => 'BbBb'

find\_uniq([ 'abc', 'acb', 'bac', 'foo', 'bca', 'cab', 'cba' ]) # => 'foo'

Strings may contain spaces. Spaces is not significant, only non-spaces symbols matters. E.g. string that contains only spaces is like empty string.

It’s guaranteed that array contains more than 3 strings.

This is the second kata in series:

1. [Find the unique number](https://www.codewars.com/kata/585d7d5adb20cf33cb000235)
2. Find the unique string (this kata)
3. [Find The Unique](https://www.codewars.com/kata/5862e0db4f7ab47bed0000e5)

<https://www.codewars.com/kata/find-the-unique-string/python>

*'''*

*Created on 14 oct. 2018*

**@author:** *Usuario*

*'''*

*'''*

*Created on 13 jun. 2018*

**@author:** *Usuario*

*'''*

import string

import sys

*'''*

*def find\_uniq(arr):*

*# do the magic*

*return s*

*'''*

*'''*

*s = "bnfah "*

*s = ''.join(sorted(s)).strip()*

*print(s)*

*'''*

def **find\_uniq**(arr):

# do the magic

dic = {}

for i in range(0, len(arr)):

key = *''*.join(set(sorted(arr[i].lower()))).strip()

#print(s)

#key=s

if dic.get(key):

dic[key] += 1

else:

dic[key] = 1

indice = -1

#for key in dic:

# if dic[key] == 1:

# return key

for i in range(0, len(arr)):

key = *''*.join(set(sorted( arr[i].lower()))).strip()

if dic[key] == 1:

indice = i

break

return arr[indice]

arr = [ *'Aa'*, *'aaa'*, *'aaaaa'*, *'BbBb'*, *'Aaaa'*, *'AaAaAa'*, *'a'* ]

print (*" - "* ,find\_uniq(arr))

//---------------------

using System;

using System.Collections.Generic;

using System.Linq;

using System.Text;

using System.Threading.Tasks;

namespace ConsoleApp1

{

class Program

{

//public static int GetUnique(IEnumerable<int> numbers)

//{

// //your code

// List<int> lista = new List<int>(numbers);

// Dictionary<int, int> frec =

// new Dictionary<int, int>();

// for(int i =0; i<lista.Count; i++)

// {

// if(frec.ContainsKey(lista[i]))

// {

// frec[lista[i]]++;

// }else

// {

// frec[lista[i]] = 1;

// }

// }

// foreach(KeyValuePair<int,int> kvp in frec)

// {

// if (kvp.Value == 1) return kvp.Key;

// }

// return -1;

//}

//public static int GetUnique(IEnumerable<int> numbers)

//{

// int[] numArray = numbers.ToArray();

// int prevNum = numbers.First();

// for (int i = 0; i < numArray.Length - 1; i++)

// {

// if (numArray[i] != prevNum)

// {

// if (numArray[i + 1] == numArray[i])

// return prevNum;

// else

// return numArray[i];

// }

// }

// return 0;

static string find\_uniq(string[] arr)

{

Dictionary<string , int> frec =

new Dictionary<string , int>();

for(int i =0; i<arr.Length; i++)

{

//string key = new string(new HashSet<string>(arr[i].ToCharArray().ToList()).ToArray());

string key = new string(arr[i].ToLower(). Distinct().ToArray());

if(frec.ContainsKey(key))

{

frec[key]++;

}

else

{

frec[key] = 1;

}

}

int indice = -1;

for(int i =0; i<arr.Length; i++)

{

if(frec[new string( arr[i].ToLower(). Distinct().ToArray())] == 1)

{

indice = i;

break;

}

}

return arr[indice];

}

static void Main(string[] args)

{

//int[] arr = { 1, 1, 1, 2, 1, 1 };

//Console.WriteLine(GetUnique(arr.ToList()));

string[] arr = { "Aa", "aaa", "aaaaa", "BbBb", "Aaaa", "AaAaAa", "a" };

Console.WriteLine(find\_uniq(arr));

Console.ReadLine();

}

}

}