**6 kyu**

**Find the unique number**

3428088% of1,875532 of 12,728[isqua](https://www.codewars.com/users/isqua)

C#

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There is an array with some numbers. All numbers are equal except for one. Try to find it!

findUniq([ 1, 1, 1, 2, 1, 1 ]) === 2

findUniq([ 0, 0, 0.55, 0, 0 ]) === 0.55

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

The tests contain some very huge arrays, so think about performance.

This is the first kata in series:

1. Find the unique number (this kata)
2. [Find the unique string](https://www.codewars.com/kata/585d8c8a28bc7403ea0000c3)
3. [Find The Unique](https://www.codewars.com/kata/5862e0db4f7ab47bed0000e5)

<https://www.codewars.com/kata/find-the-unique-number-1/csharp>

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 void Main(string[] args)

{

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

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

Console.ReadLine();

}

}

}