**7 kyu**

**Find Count of Most Frequent Item in an Array**

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C#

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Complete the function to find the count of the most frequent item of an array. You can assume that input is an array of integers. For an empty array return 0

Example

input array: [3, -1, -1, -1, 2, 3, -1, 3, -1, 2, 4, 9, 3]

ouptut: 5

The most frequent number in the array is -1 and it occurs 5 times.

<https://www.codewars.com/kata/find-count-of-most-frequent-item-in-an-array/csharp>

using System;

using System.Collections.Generic;

using System.Linq;

using System.Text;

using System.Threading.Tasks;

namespace ConsoleApp1

{

class Program

{

public static int MostFrequentItemCount(int[] collection)

{

if (collection.Length == 0) return 0;

Dictionary<int, int> diccio =

new Dictionary<int, int>();

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

{

if(diccio.ContainsKey(collection[i])) diccio[collection[i]]++;

else diccio[collection[i]] = 1;

}

int max\_frec = 0;

//int max\_elem = 0;

foreach(KeyValuePair<int,int> kvp in diccio)

{

max\_frec = Math.Max(max\_frec, kvp.Value);

}

return max\_frec;

}

static void Main(string[] args)

{

Console.ReadLine();

}

}

}