**7 kyu**

**Counting Array Elements**

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C#

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Write a function that takes an array and counts the number of each unique element present.

Kata.Count(new List<string> {"James", "James", "John"}) =>

new Dictionary<string, int> {{"James", 2}, {"John", 1}};

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using System;

using System.Collections.Generic;

using System.Linq;

using System.Text;

using System.Threading.Tasks;

namespace ConsoleApp1

{

class Program

{

public static Dictionary<string, int> Count(List<string> lst)

{

Dictionary<string, int> diccio = new Dictionary<string, int>();

foreach(string item in lst)

{

if(diccio.ContainsKey(item))

{

diccio[item]++;

}

else

{

diccio[item] = 1;

}

}

return diccio;

}

static void Main(string[] args)

{

Console.ReadLine();

}

}

}

**using System;**

**using System.Collections.Generic;**

**using System.Linq;**

**public static class Kata**

**{**

**public static Dictionary<string, int> Count(List<string> lst)**

**{**

**return lst.GroupBy(s => s).ToDictionary(g => g.Key, g => g.Count());**

**}**

**}**