**Null or not Null?**

Vasya wrote a method that checks that the first element of the passed array is 0. Vasya even checked that he was not passed null as an array. But something still doesn't work.

Correct the error and find out why the code didn't work.

public static void Main()

{

Console.WriteLine(CheckFirstElement(null));

Console.WriteLine(CheckFirstElement(new int[0]));

Console.WriteLine(CheckFirstElement(new[] { 1 }));

Console.WriteLine(CheckFirstElement(new[] { 0 }));

}

public static bool CheckFirstElement(int[] array)

{

return array != null & array.Length != 0 & array[0] == 0;

}

**Code:**

using System;

using System.Collections.Generic;

using System.Linq;

using System.Text;

using System.Threading.Tasks;

namespace umop5o11NullOrNotNull

{

class Program

{

public static void Main()

{

Console.WriteLine(CheckFirstElement(null));

Console.WriteLine(CheckFirstElement(new int[0]));

Console.WriteLine(CheckFirstElement(new[] { 1 }));

Console.WriteLine(CheckFirstElement(new[] { 0 }));

Console.ReadKey();

}

public static bool CheckFirstElement(int[] array)

{

return array != null && array.Length != 0 && array[0] == 0;

}

}

}