Call an integer an *increasing digits sequence* if its digits considered from left to right form a strictly increasing sequence.

Given an integer, check if it is an *increasing digits sequence*.

**Example**

* For n = 12345, the output should be  
  isIncreasingDigitsSequence(n) = true;
* For n = 2446, the output should be  
  isIncreasingDigitsSequence(n) = false;
* For n = 543, the output should be  
  isIncreasingDigitsSequence(n) = false.

**Input/Output**

* **[time limit] 3000ms (cs)**
* **[input] integer n**

*Guaranteed constraints:*  
0 ≤ n ≤ 123456789.

* **[output] boolean**

true if n is an *increasing digits sequence*, false otherwise.

**[C#] Syntax Tips**

// Prints help message to the console

// Returns a string

string helloWorld(string name) {

Console.Write("This prints to the console when you Run Tests");

return "Hello, " + name;

}

<https://codefights.com/challenge/ndCSMzne2c5hbvJtu/solutions>

using System;

using System.Collections.Generic;

using System.Linq;

using System.Text;

namespace ConsoleApplication1

{

class Program

{

static bool isIncreasingDigitsSequence(int n)

{

string ns = n.ToString();

for (int i = 0; i +1 < ns.Length; i++)

{

if (ns[i + 1] <= ns[i])

{

return false;

}

}

return true;

}

static void Main(string[] args)

{

int n = 12345;

Console.WriteLine(isIncreasingDigitsSequence(n));

Console.ReadLine();

}

}

}