**Maximum occurrence**

Attempted by: **4247**

/

Accuracy: **89%**

/

Maximum Score: **20**

/

658 Votes

Tag(s):

Ad-Hoc, Basic Programming, Easy

**PROBLEM**

**EDITORIAL**

**MY SUBMISSIONS**

**ANALYTICS**

You are given a string which comprises of lower case alphabets (a-z), upper case alphabets (A-Z), numbers, (0-9) and special characters like **!,-.;** etc.

You are supposed to find out **which character occurs the maximum number of times and the number of its occurrence,** in the given string. If two characters occur equal number of times, you have to output the character with the lower [ASCII value.](http://www.ascii-code.com/)

For example, if your string was: **aaaaAAAA**, your output would be: **A 4**, because **A has lower ASCII value than a.**

**Input format:**  
The input will contain a string.

**Output format:**  
You've to output two things which will be separated by a space:  
i) The character which occurs the maximum number of times.   
ii) The number of its occurrence.

**Constraints:**  
The maximum length of the string can be **1000.**

**SAMPLE INPUT**

Pulkit is a dog!!!!!!!!!!!!

**SAMPLE OUTPUT**

! 12

**Time Limit:**1.0 sec(s) for each input file.

**Memory Limit:**256 MB

**Source Limit:**1024 KB

**Marking Scheme:**Marks are awarded when all the testcases pass.

**Allowed Languages:**Bash, C, C++, C++14, Clojure, C#, D, Erlang, F#, Go, Groovy, Haskell, Java, Java 8, JavaScript(Rhino), JavaScript(Node.js), TypeScript, Julia, Kotlin, Lisp, Lisp (SBCL), Lua, Objective-C, OCaml, Octave, Pascal, Perl, PHP, Python, Python 3, R(RScript), Racket, Ruby, Rust, Scala, Swift, Swift-4.1, Visual Basic

<https://www.hackerearth.com/practice/data-structures/hash-tables/basics-of-hash-tables/practice-problems/algorithm/maximum-occurrence-9/>

using System;

using System.Collections.Generic;

using System.Linq;

using System.Text;

using System.Threading.Tasks;

using System.IO;

namespace ConsoleApp1

{

class Program

{

static void Main(string[] args)

{

string s = Console.ReadLine().Trim();

char[] dic = new char[256];

int max\_val = 0;

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

{

dic[s[i]]++;

if(dic[s[i]] > max\_val)

{

max\_val = dic[s[i]];

}

}

for (int i = 0; i <= 255; i++)

{

if(dic[i] == max\_val)

{

Console.WriteLine(((char)i) + " " + max\_val);

break;

}

}

Console.ReadLine();

}

}

}