**Find the most frequent digit**

Submissions: [2263](https://practice.geeksforgeeks.org/problem_submissions.php?pid=2353)  Accuracy:

30.7%

   Difficulty: [Easy](https://practice.geeksforgeeks.org/Easy/0/0/)   Marks: 2

Show Topic Tags   

Given a number, find the most occurring digit in it. If two or more digits occur same number of times, then return the highest of them. Input integer is given as a string.

**Input:**  
The first line of input contains an integer **T** denoting the number of test cases. Then T test cases follow. The first line of each test case contains the number**N**

**Output:**  
Printthe most occurring digit in the number. If two or more digits occur same number of times, then print the highest of them. Print the answer for each test case in a new line.

**Constraints:**  
1<= T <=100  
1<= N <=101000

**Example:**  
**Input:**  
1  
12234

**Output:**  
2

\*\* For More Input/Output Examples Use ['Expected Output'](https://practice.geeksforgeeks.org/problems/find-the-most-frequent-digit/0#ExpectOP) option \*\*

Contributor: Sujnesh Mishra  
[Author: sujnesh](https://auth.geeksforgeeks.org/user/sujnesh/practice/)

<https://practice.geeksforgeeks.org/problems/find-the-most-frequent-digit/0>

using System;

using System.Collections.Generic;

using System.Linq;

using System.Text;

using System.Threading.Tasks;

namespace ConsoleApp3

{

class Program

{

static char MostFrequent(string s)

{

Dictionary<char, int> dic =

new Dictionary<char, int>();

int max\_frec = 0;

char max\_frec\_char = 'a';

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

{

if (dic.ContainsKey(s[i]))

{

dic[s[i]]++;

}

else

{

dic[s[i]] = 1;

}

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

{

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

max\_frec\_char = s[i];

}

else if(dic[s[i]] == max\_frec)

{

if(s[i] > max\_frec\_char)

{

max\_frec\_char = s[i];

}

}

}

return max\_frec\_char;

}

static void Main(string[] args)

{

int t = int.Parse(Console.ReadLine());

while(t-- > 0)

{

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

Console.WriteLine(MostFrequent(s));

}

Console.ReadLine();

}

}

}