

<https://course.acciojob.com/idle?question=92922cce-7d7b-407a-8a03-dbfff4024918>

- MEDIUM

- Max Score: 30 Points

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Maximum Frequency Character

Given a string `s` containing lowercase alphabets, return the character with the highest occurrence in `s`.

If there are multiple such characters, then return the lexicographically smallest one of them.

Input Format

The only line of the input contains the string `s`.

Output Format

Print the maximal occurring character in the string `s`. If there are multiple, print the lexicographically minimum one.

Example 1

Input

`abbbbc`

Output

`b`

Explanation

Here, **a** occurs **1** time, **c** occurs **1** time, and **b** occurs **3** times. Hence our answer for this is **b**.

Example 2

Input

aabbbccc

Output

b

Constraints

$1 < s.length() < 100$

Topic Tags

- **Strings**

My code

```
// n java
```

```
import java.util.*;
```

```
public class Main {
```

```
    static char MaximumFrequencyChar(String s) {
```

```
        //Write your code here
```

```
        int n=s.length();
```

```
        HashMap<Character,Integer>hm=new HashMap<>();
```

```

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

hm.put(s.charAt(i),hm.getOrDefault(s.charAt(i),0)+1);
    int max=0;
    char c='a';
    for(int i=0;i<n;i++)
    {
        int t=hm.get(s.charAt(i));
        if(t>max)
        {
            max=t;
            c=s.charAt(i);
        }
        if(t==max)
        {
            if(c>s.charAt(i))
                c=s.charAt(i);
        }
    }
    return c;
}

public static void main(String[] args) {
    Scanner scanner = new Scanner(System.in);
    String s = scanner.nextLine();
    System.out.println(MaximumFrequencyChar(s));
}
}

```