## Maximum Freq Character

Given a string consisting of only small case alphabets. Find the element with the **maximum occurrence**. The solution should have **O(n)** time complexity.

Sample Input 0

abcdaccd

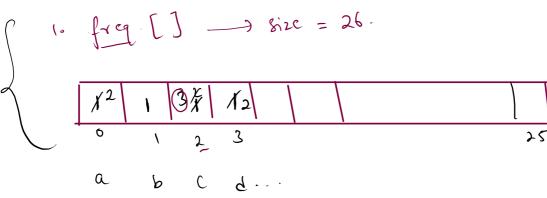
Sample Output 0

Sample Suspace

C

abcd accd

a - 2



```
0~3=(b
```

```
1 import java.io.*;
 2 import java.util.*;
 4 public class Solution {
       public static void main(String[] args) {
           Scanner scn = new Scanner(System.in);
           String s = scn.next();
           //freq
11
           int [] freq = new int[26];
12
           for(int i = 0; i < s.length(); i++){
13
               char ch = s.charAt(i);
               int idx = ch - 'a';
14
               freq[idx] = freq[idx] + 1;
15
16
17
18
           //max
19
           int maxIdx = 0;
20
           for(int i = 0; i < 26; i++){
21
               if(freq[maxIdx] < freq[i]){</pre>
22
                   maxIdx = i:
23
           }
24
25
26
           System.out.println((char)('a' + maxIdx));
27
28
       }
29 }
```

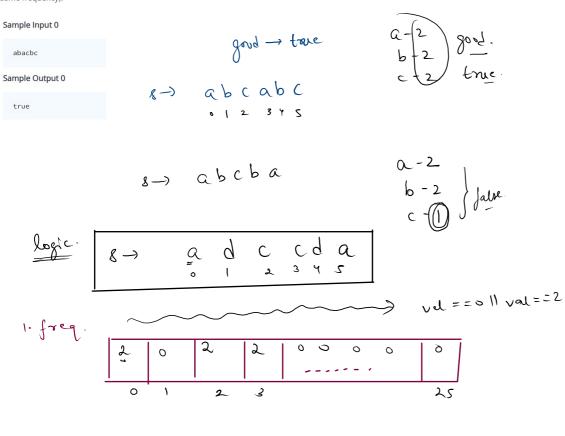
```
O(n) = TC
0 (1) =80
                                     ()
    11
       baaccddabbbb., 234567891011
                                      0
                                 0
                                          25
  m[=$
```

97+1=98

## **Good String Checker**

Given a string str, return true if str is a good string, or false otherwise.

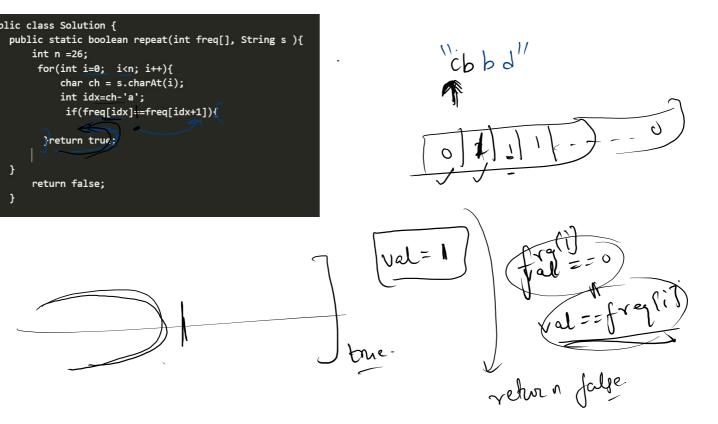
A string str is good if all the characters that appear in str have the same number of occurrences (i.e., the same frequency).



```
1 import java.io.*;
2 import java.util.*;
4 public class Solution {
      public static boolean isGoodStr(String s){
6
          int [] freq = new int[26];
          for(int i = 0; i < s.length(); i++){
              char ch = s.charAt(i);
              int idx = ch - 'a';
10
              freq[idx] = freq[idx] + 1;
11
          }
12
13
          int val = freq[s.charAt(0) - 'a'];
14
          for(int i = 0; i < freq.length; i++){</pre>
15
              if(freg[i] != 0 && freg[i] != val){
16
                   return false;
17
              }
18
          }
19
20
          return true;
21
      }
23
      public static void main(String[] args) {
24
          Scanner scn = new Scanner(System.in);
25
          String s = scn.next();
26
27
          boolean ans = isGoodStr(s);
28
          System.out.println(ans);
29
```

30 }

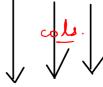
s→ "cbdbcd"



| 2D Array | roay -> 1D Array. |
|----------|-------------------|
|          |                   |
|          |                   |

int [] A = new int [5];





| 0 | 0 | 0 | Ò |
|---|---|---|---|
| 6 | 0 | 0 | 0 |
| 0 | 0 | ٥ | 0 |

3 X Y

0

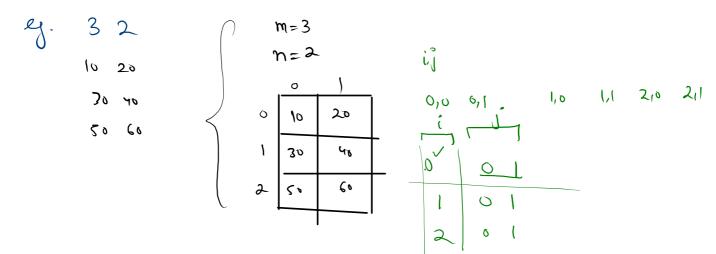
## Print the Matrix Row-wise

30 40

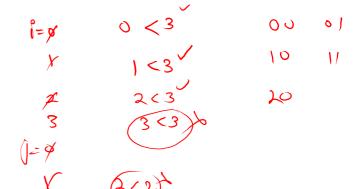
Meet Sarah, a math enthusiast who loves to solve complex problems. One day, Sarah was working on a puzzle that required her to print out the **rows** of a matrix.

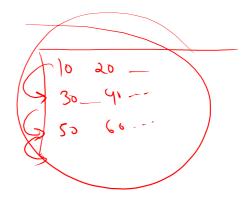
She knew that she needed to write a Java program that could take a matrix of size **m\*n** as input and print out each row of the matrix one by one.

help Sarah and write a program that print the matrix row wise.



```
public class Main
 3 - {
        public static void main(String[] args) {
            int m = 3;
            int n = 2;
            int [][] A = \{10,20\},
                           {30,40},
                           {50,60}};
12
           for(int i = 0; i < m; <u>i++</u>){
               for(int j = 0; j < n; j++){
                    System.out.print(A[i][j] + " ");
                      ..out.println();
```

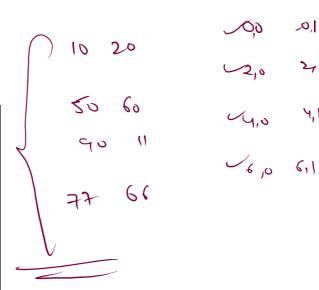




```
1 import java.io.*;
                                                  You a
2 import java.util.*;
 3
4 public class Solution {
 6
      public static void main(String[] args) {
           Scanner scn = new Scanner(System.in);
 8
           int m = scn.nextInt();
9
          int n = scn.nextInt();
10
11
           int [][] A = new int[m][n];
12
           for(int i = 0; i < m; i++){
13
14
               for(int j = 0; j < n; j++){
15
                   A[i][j] = scn.nextInt();
16
17
           }
18
19
           for(int i = 0; i < m; i++){
20
               for(int j = 0; j < n; j++){
21
                   System.out.print(A[i][j] + " ");
22
23
               System.out.println();
24
25
26
27 }
```

```
m=2
n=2
        1
   >
                  00011011
0
   10
   30
       40
         162
```

Print Alternate Rows.



= NRY

