## Print Freq of Alphabet in String

i) 
$$ch = b'$$
  
 $cdx = b' - a' = 1$ 

2) 
$$ch = 'c'$$
  
 $ida = 'c' - 'a' = 2$ 

3) 
$$dh = 'a'$$
  
 $ida = 'a' - 'a' = 0$ 

4) 
$$dh = 'a'$$
  
 $ida = 'a' - 'a' = 0$ 

5) 
$$ch = 'z'$$
  
 $idx = 'z' - 'a' = 25$ 

6) 
$$ch = 'y'$$
  
 $cdx = 'y' - 'ca' = 24$ 

Ly create an avoidy of 26 size by traverse the string for each char S get the char (ch)

S get index using ch - 'a'

S increment freq by freq [idx]++;

$$Str = "Sachin kumar"$$

$$0 1 0 0 0 0 1 1 0 1 0 1 0 1 1 0 0 0 1 0 0 0 0 0 0$$

h-1

## Int with Maximum Freq

$$U = g$$



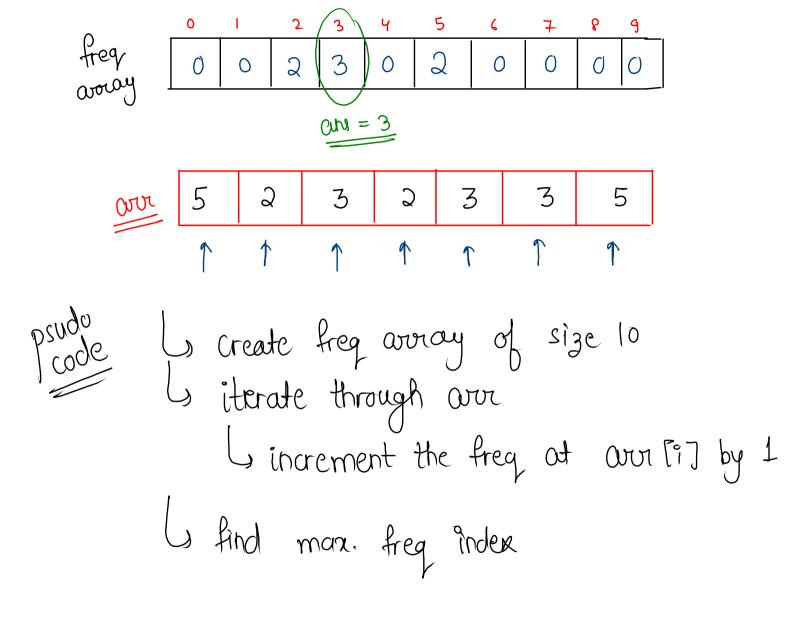
	5	2	3	Ş	3	3	5
--	---	---	---	---	---	---	---

$$5 \longrightarrow 2$$

$$2 \longrightarrow 2$$

$$3 \longrightarrow 3$$

$$3 \rightarrow 3$$



$$CId = 0 - 9$$

```
public static int intWithMaxFreq(int[] arr, int n) {
    int[] freq = new int[10];
    for (int i = 0; i < n; i++) {
        int num = arr[i];
        freq[num]++;
    }
    int f = 0;
    int ans = -1;
    for (int i = 0; i < 10; i++) {
        if ( freq[i] > f ) {
            f = freq[i];
            ans = i;
        }
    }
    return ans;
```

$$T_{0}(z = 0)(N)$$
  
 $S_{0}(z = 0)(1)$ 

or 
$$22113$$
 $l=0$ ,  $num=1$ 
 $l=1$ ,  $num=2$ 
 $l=2$ ,  $num=2$ 
 $l=3$ ,  $num=1$ 
 $l=4$ ,  $num=3$ 

## Maximum Freq Character

```
public static void main(String[] args) {
   Scanner scn = new Scanner(System.in);
   String str = scn.next();
                                               T. (= ()(N)
   System.out.println(printFreg(str));
}
                                               Q \cdot C = O(1)
public static char printFreq(String str) {
 int[] freq = new int[26];
   for (int i = 0; i < str.length(); i++) {
       char ch = str.charAt(i);
       int idx = ch - 'a';
       freq[idx]++;
    }
   int max = -1;
   char ch = 'A';
   for (int i = 0; i < 26; i++) {
       if ( freq[i] > max ) {
           max = freq[i];
           ch = (char)(i + 'a');
   return ch;
```

## **Good String Checker**

Obuza		
lode		

```
public static boolean goodString(String str) {
 → int[] freq = new int[26];
 for (int i = 0; i < str.length(); i++) {</pre>
                                                                                      5
                                                                               4
                                                                        3
       char ch = str.charAt(i);
       int idx = ch - 'a';
                                                                               \bigcirc
       freq[idx]++;
 >> char c = str.charAt(0);
   int f = freq[c - 'a'];
                                               c=0, ch='a', idx=0
   for (int i = 0; i < str.length(); i++) {
       char ch = str.charAt(i);
                                               i=1, ch=(a), ida=0
       int idx = ch - 'a';
      Tif ( freq[idx] != f ) {
                                              l=2, ch=cb, idx=1
                                              \dot{c}=3, \dot{c}h=\dot{b}, id\alpha=1
   return true;
                                             i=4, ch='c', idn=2
                                              (=5, ch='d', idx=3
                                              i=6, ch='d', id\alpha=3
```

$$\Rightarrow (-'0)$$

$$\begin{array}{c}
0 \rightarrow 97 \\
\hline
b \rightarrow 98 \\
C \rightarrow 99
\end{array}$$

$$\begin{array}{c}
1 \\
1 \\
2 \rightarrow 122
\end{array}$$

 $Q \rightarrow 0$