

# C++ Strings 2

Lecture-18

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Warmup Problem: Input a string and return the number of times the neighbouring characters are different from each other.



# \*Sorting a string using in-built function

Sort -> ascii values ke order me sort karke de dega

```
string s = "name";

Sort (s.begin(), s.end());

s -> a e m n
```



#### Ques: Given two strings s and t, return true if t is an anagram of s, and false otherwise. Leet code > 242

Sorting -> builtin

Input:s = physicswallah, t = wallahphysics

Output: YES





### Ques: Given & strings consisting of lowercase English alphabets. Print the character that is occurring most number of times. Extra Space - 26 size

```
string s = "leet code"; max Court = 0; constant space
```

Special array - int arr [26]



### Stringstream class

```
String S = "Raghar";

J

Q is to calculate the no. of words
```



### Ques: Given a sentence, split every single word of the sentence and print in a new line.

```
Already done
String 5;
 getline (cin, s);
 String tem);
 Stringstram 55(5);
 while (ss >> temp)
      cont << temp << endl;
```



### Ques: Given a sentence 'str', return the word that is occurring most number of times in that sentence.

```
string str = "Roghav is a mosths teacher. He is a DSA
                  mentor as well
                                        max Count = p 12
                                        Count = 01/12/12
   Vector 2 String > V;
                                          V = ["DSA", "Ke", "a", "as", "is", "is", "naths", "mentr",
       "raghav", "teacher", "well!"
```



#### stoi vs stoll built-in functions

string to long long string to long long 1String to long long 1String to long long 1  $-2^{63}$  to  $2^{63}$  -1  $-2^{31}$  to  $2^{31}$  -1

## Ques: Given n string consisting of digits from 0 to 9. Return the index of string which has maximum value. (Take 0 based indexing)

JA VECTOY

Input: 0123, 0023, 456, 00182, 940, 2901

Output: 5



### \*Ques : Input n strings and write a program to find the longest common prefix string of all the strings.



#### Ques: Input n strings and write a program to find the longest common prefix string of all the strings.

Cleet Code - 14]



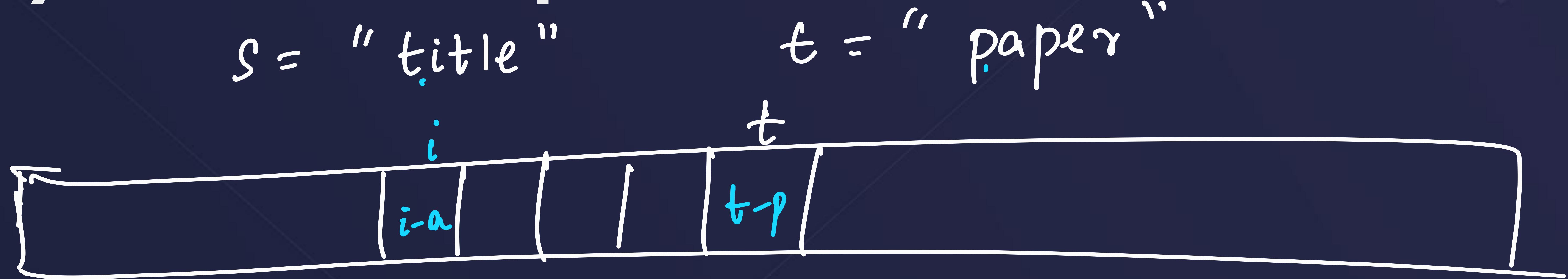
### \*Ques : Given two strings s and t, determine if they are isomorphic. [Leet 6de 205]

$$S = "egg"$$
  $t = "add"$  true  
 $S = "foo"$   $t = "bar"$  false  
 $S = "paper"$   $t = "title"$  true

# Kint: Special array



### Ques: Given two strings s and t, determine if they are isomorphic.





### \*Ques: Given two strings s and t, determine if they are isomorphic. [Leet Code - 205]

$$S = \text{badc''} \qquad t = \text{baba''}$$

$$a b c d e$$

$$0 0 2 2 2 000$$

47 48



### Thank you!