

## [String Based Program Part 8](#)

Q1. Write a program to check if the letter 'e' is present in the word 'Umbrella'.

Enter Any String: Umbrella

e is Present in the word :**YES**

Q2. Write a program to check if the word 'orange' is present in the "This is orange juice".

Enter Any String: This is orange juice

orange is Present in the Sentence :**YES**

Q3. Write a program to find the first and the last occurrence of the letter 'o' and character ',' in "Hello, World".

First Occurrence of 'o': 4

Last Occurrence of 'o': 8

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Q4. Write a program that takes your full name as input and displays the abbreviations of the first and middle names except the last name which is displayed as it is.

For example, if your name is Robert Brett Roser, then the output should be R.B.Roser.

Example:

Input:

Enter Full Name : Sanjay Kumar Jain

**Result: S.K. Jain**

Q5. Write a program to find the number of vowels, consonents, digits and white space characters in a string.

Example:

Input : str = " A1 B@ d adc"

Output : Vowels: 2

Consonant: 4

Digit: 1

Special Character: 6

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Q6. Write a program to delete all consonents from the string "Hello, have a good day".

**Example:**

Input : Hello

Output: eo

**Example:**

Input: Hello, have a good day

Output: eo, ae a oo a

Q7. Input a string of alphabets. Find out the number of occurrence of all alphabets in that string. Find out the alphabet with maximum occurrence.

Example:

Input: test

**Output:**

**t:2**

**e:1**

**s:1**

Explanation: 't' occurs 2 times in the string

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**Q8. Check whether two Strings are anagram of each other**

Given two strings. The task is to check whether the given strings are anagrams of each other or not. An anagram of a string is another string that contains the same characters, only the order of characters can be different. For example, “abcd” and “dabc” are an anagram of each other.

***Input:*** *str1 = “listen” str2 = “silent”*

***Output:*** *“Anagram”*

***Explanation:*** *All characters of “listen” and “silent” are the same.*

***Input:*** *str1 = “gram” str2 = “arm”*

***Output:*** *“Not Anagram”*

**Q9. Find first non-repeating character of given String**

Given a string S consisting of lowercase Latin Letters, the task is to find the first non-repeating character in S.

**Examples:**

***Input:*** *“geeksforgeeks”*

***Output:*** *f*

***Explanation:*** *As ‘f’ is first character in the string which does not repeat.*

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Examples:

***Input:*** “algorithm”

***Output:*** a

***Explanation:*** As ‘a’ is first character in the string which does not repeat.

### **Q10. Java program to check whether a string is a Palindrome without using pre-defined method?**

A string is said to be a palindrome if it is the same if we start reading it from left to right or right to left. In this article, we will learn how to check if a string is a palindrome in Java.

So let us consider a string “str”, now the task is just to find out with its reverse string is the same as it is.

**Example of Palindrome:**

***Input:*** str = “naman”

***Output:*** Yes

***Input:*** str = “ram”

***Output:*** No

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### **Q11. Remove duplicates from a given string**

Given a string S which may contain lowercase and uppercase characters. The task is to remove all duplicate characters from the string and find the resultant string.

**Note:** The order of remaining characters in the output should be the same as in the original string.

**Example:**

*Input: Str = HappyNewYear*

*Output: HapyNewYr*

*Explanation: After removing duplicate characters such as p, e, a, we have string as "HapyNewYr".*

### **Q12. How to remove all white spaces from a String in Java?**

Given a string with white spaces, the task is to remove all white spaces from a string using without built-in methods.

**Examples:**

**Input:** str = " A Computer Science Portal"

**Output:** AComputerSciencePortal

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### Q13. Remove all the Digits from String in Java

Given alphanumeric string str, the task is to write a Java program to remove all the digit from this string and prints the modified string.

#### **Examples:**

***Input:*** str = "12Java"

***Output:*** Java

***Explanation:*** The given string contains digits 1 and 2. We remove all the digit and prints the modified string.