**11-02-2021**

<https://www.softwaretestinghelp.com/java-coding-interview-programs/>

**Write a Java Program to count the number of words in a string using HashMap**

**java.**

import java.util.\*;

public class Main

{

public static void main(String[] args) {

String str = "hey print number of words in this string hey print";

String[] words = str.split(" ");

HashMap<String,Integer> map = new HashMap<String,Integer>();

for(int i = 0;i<words.length;i++){

if(map.containsKey(words[i])){

int count = map.get(words[i]);

map.put(words[i],count+1);

}else{

map.put(words[i],1);

}

}System.out.println(map);

}

}

o/p: {number=1, print=2, string=1, in=1, of=1, words=1, this=1, hey=2}

\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*Python :

str = "hello print word count of this string word count"  
list = str.split(" ")  
set = set(list)  
for i in set:  
 count = 0  
 for j in list:  
 if i == j:  
 count += 1  
 print(i,"=",count,end = ", ")

o/p : print = 1, count = 2, this = 1, hello = 1, of = 1, string = 1, word = 2,

**#7) Write a Java Program to find whether a number is prime or not.**

**Java :**

import java.util.\*;

public class Main

{

public static void main(String[] args) {

Scanner sc = new Scanner(System.in);

int number = sc.nextInt();

boolean isprime = true;

if(number !=0 || number !=1){

for(int i=2;i<number;i++){

if(number%i==0){

isprime=false;

break;

}

}

}

if(isprime){

System.out.println("Prime");

}else{

System.out.println("Not prime");

} }}

\*\*\*\*\*\*\*\*\*\*\*python

a = int(input())  
if(a!=0):  
 for i in range(2,a):  
 if(a%i==0):  
 print("not prime")  
 break  
 else:  
 print("prime")

3) **Q #15) Write a Java Program to find the duplicate characters in a string.**

**Java:**

import java.util.\*;

public class Main

{

public static void main(String[] args) {

Scanner sc = new Scanner(System.in);

Set<String> duplicates

= new HashSet<String>();

String str = sc.next();

char[] arr = str.toCharArray();

for(int i=0;i<arr.length;i++){

for(int j = i+1;j<arr.length;j++){

if(arr[i]==arr[j]){

duplicates.add(Character.toString(arr[j]));

break;

}

}}

System.out.println(duplicates);

}}

\*\*\*\*\*\*\*\*\*\*\*\*\*python:

str = input()  
list = list(str)  
set = set()  
for i in range(len(list)):  
 for j in range(i+1,len(list)):  
 if list[i] == list[j]:  
 set.add(list[j])  
print(set)

12-02-2021

**Java Program To Find Duplicate Characters In A String :**

Java:

import java.util.\*;

public class HelloWorld{

public static void main(String []args){

Scanner sc = new Scanner(System.in);

String str = sc.nextLine();

str = str.replaceAll("\\s","");

System.out.println(str);

char[] arr = str.toCharArray();

HashMap<Character,Integer> charCountMap = new HashMap<Character,Integer>();

for(char c : arr){

if(charCountMap.containsKey(c)){

charCountMap.put(c,charCountMap.get(c)+1);

}else{

charCountMap.put(c,1);

} }

Set<Character> charInString = charCountMap.keySet();

for(char ch : charInString){

if(charCountMap.get(ch)>1){

System.out.println(ch + ":" +charCountMap.get(ch));

}

}

}

}

\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*python

n = "abhilash kalva"

n = n.replace(" ","")

charCount = {}

for i in n:

if i in charCount:

charCount[i] += 1

else:

charCount[i] = 1

print(charCount)