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| |  | | --- | | 1. Write a program in java to compare two strings  Test Data :  Check the length of two strings:  --------------------------------  Input the 1st string : aabbcc  Input the 2nd string : abcdef  String1: aabbcc  String2: abcdef  Expected Output : Strings are not equal.  Check the length of two strings:  --------------------------------  Input the 1st string : aabbcc  Input the 2nd string : aabbcc  String1: aabbcc  String2: aabbcc  Expected Output : Strings are equal. |   import java.util.Scanner;  class Task\_1{  public static void main(String args[]){  String str1,str2;  Scanner obj=new Scanner(System.in);  System.out.print("Input the 1st string : ");  str1=obj.nextLine();  System.out.print("Input the 2st string : ");  str2=obj.nextLine();    System.out.print("String1 : "+str1+"\n");  System.out.print("String2 : "+str2+"\n");  if(str1.equals(str2))  {  System.out.println("String are equal");  }  else  {  System.out.println("String are not equal");  }    }  } |
| |  | | --- | | 2. Write a program in java to count total number of alphabets, digits and  special characters in a string.  Test Data :  Input the string : Welcome to w3resource.com  Expected Output :  Number of Alphabets in the string is : 21  Number of Digits in the string is : 1  Number of Special characters in the string is : 4 |   import java.util.Scanner;  class Task\_2{  public static void main(String args[]){    String str;  Scanner obj=new Scanner(System.in);  System.out.print("Input the String : ");  str=obj.nextLine();  String str2=str;  int c=0,s=0,k=0;  for(int i=0;i<str.length();i++)  {  char ch=str.charAt(i);  if(ch>='a' && ch<='z' || ch>='A' && ch<='Z')  {  c++;  }  else if(ch>='0' && ch<='9')  {  s++;  }  else  {  k++;  }  }    System.out.print("Number of Albhabets in the string is : "+c+"\n");  System.out.print("Number of Digits in the string is : "+s+"\n");  System.out.print("Number of Special characters in the string is :"+k+"\n");    }  } |
| |  | | --- | | 3. Write a program in Java to count total number of vowel or consonant  in a string.  Test Data :  Input the string : Welcome to w3resource.com  Expected Output :  The total number of vowel in the string is : 9  The total number of consonant in the string is : 12 |   import java.util.Scanner;  class Task\_3{  public static void main(String args[]){    Scanner obj=new Scanner(System.in);  System.out.print("Input the string : ");  String str=obj.nextLine();  int v=0,c=0;    for(int i=0;i<str.length();i++)  {    char ch=str.charAt(i);  if(ch=='a' || ch=='e' || ch=='i' || ch=='o' || ch=='u' || ch=='A' || ch=='E' || ch=='E' || ch=='O' || ch=='U' )  {  v++;  }  else if(ch==' ' || ch=='.'|| ch>='0' && ch<='9')  {    }  else  {  c++;  }}  System.out.println("The total number of vowel in the string is : "+v);  System.out.print("The total number of consonant in the string is :"+c);  }  } |
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