1. Write a C program to check whether a given substring is present in the given string.

Test Data :

Input the string : This is a test string.

Input the substring to be search : search

Expected Output :

The substring is not exists in the string.

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| import java.util.Scanner;  class Task\_1{  public static void isSubstringContain(String s){  if(s.contains("search"))  {  System.out.print("The substring is exists in the string.");  }  else  {  System.out.print("The substring is not exists in the string.");  }  }  public static void main(String args[]){  Scanner obj=new Scanner(System.in);  System.out.print("input the string : ");  String str=obj.nextLine();  isSubstringContain(str);      }  } |
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2. Write a program in java to read a sentence and replace lowercase characters by uppercase and vice-versa.

Test Data :

Input the string : This Is A Test String.

Expected Output :

The given sentence is : This Is A Test String.

After Case changed the string is: tHIS iS a tEST sTRING.

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| import java.util.Scanner;  class Task\_2{  public static void isReplace(String s){  char[] ch=s.toCharArray();  StringBuilder str=new StringBuilder();  for(int i=0;i<ch.length;i++)  {  if(ch[i]>='a' && ch[i]<='z')  {  str.append(Character.toUpperCase(ch[i]));  }  else  {  str.append(Character.toLowerCase(ch[i]));  }    }  System.out.print("vice verse string : "+str);  }  public static void main(String args[]){  Scanner obj=new Scanner(System.in);  System.out.print("Enter String : ");  String str=obj.nextLine();  isReplace(str);  }  } |
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3. Write a program in java to find the number of times a given word ‘the’ appears in the given string.

Test Data :

Input the string : The string where the word the present more than once.

Expected Output :

The frequency of the word ‘the’ is : 3

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| import java.util.Scanner;  class Task\_3{  public static void isFindString(String s){  String[] str=s.split(" ");  int count=0;  for(int i=0;i<str.length;i++)  {  if(str[i].toLowerCase().contains("the"))  {  count++;  }  }  System.out.print("The frequency of the word 'the' is :"+count);  }  public static void main(String args[]){  Scanner obj=new Scanner (System.in);  System.out.print("Input string : ");  String str=obj.nextLine();  isFindString(str);  }  } |
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4. Write a program in java to remove characters in String Except Alphabets.

Test Data :

Input the string : wel123come456india

Expected Output :

After removing the Output String : welcomeindia

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| import java.util.Scanner;  class Task\_4{  public static void removeCharacter(String s){  char[] ch=s.toCharArray();  StringBuilder str=new StringBuilder();  for(int i=0;i<ch.length;i++)  {  if(ch[i]>='a' && ch[i]<='z')  {  str.append((ch[i]));  }  else  {  continue;  }    }  System.out.print("vice verse string : "+str);  }  public static void main(String args[]){  Scanner obj=new Scanner(System.in);  System.out.print("Input the string : ");  String str=obj.nextLine();  removeCharacter(str);  }} |
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5. Write a program in java to Find the Frequency of Characters.

Test Data :

Input the string : This is a test string

Input the character to find frequency: i

Expected Output :

The frequency of ‘I’ is : 3

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| import java.util.Scanner;  class Task\_5{  public static void isFrequency(String s,char p){  char[] ch=s.toCharArray();  int count=0,i;  for( i=0;i<ch.length;i++)  {  if(ch[i]==p)  {  count++;  }  }  System.out.print("The frequency of "+p+" is :"+count);  }  public static void main(String args[]){  Scanner obj=new Scanner(System.in);  System.out.print("Input the string :");  String str=obj.nextLine();  System.out.print("Input the character to find frequency:");  char pos = obj.next().charAt(0);  isFrequency(str,pos);  }  } |
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