# INTERVIEW LOGICAL PROGRAM QUESTIONS

## 1.Write a Java Program to Print Reverse Numbers

**public class** Program24 {

**public static void** main(String[] args) {

**int** num=2874; **int** rev=0; **while**(num>0) {

**int** rem=num%10; rev=rev\*10+rem; num=num/10;

}

System.***out***.println(rev);

}

}

### OUTPUT

4782

1. Write a java Program to given number is prime number or not.

**public class** PrimeNumber1 {

**public static void** main(String[] args) {

**int** n=5;

**int** count=0;

**for**(**int** i=1; i<=n; i++) {

**if**(n%i==0) {

count++;

}

}

**if**(count==2) {

System.***out***.println("is prime number");

}

##### else {

System.***out***.priantln("is not prime number");

}

}

}

## OUTPUT

5 is prime number

## write a Java Program to find Factorial

**public class** Program18 {

**public static void** main(String[] args) {

**int** n=5; **int** fact=1; **while**(n>0){

fact=fact\*n;

n--;

}

System.***out***.println("5 Factorial: "+fact);

}

}

## OUTPUT

1. Factorial = 120

3.write a Java Program to Fibonaci Series

**public class** Program21 {

**public static void** main(String[] args){

**int** n=5;

**int** fib1=0; **int** fib2=1;

**int** fib3=fib1+fib2;

**while**(n>0){

System.***out***.println(fib1); fib1=fib2;

fib2=fib3; fib3=fib1+fib2;

n--;

}

}

}

OUTPUT

0

1

1

2

3

## Write a Java Program to Number Palindrome.

**public class** Program26 {

**public static void** main(String args[]){

**int** n=454;

**int** copy=n;

**int** rem=0;

**int** rev=0;

**while**(n>0)

**rem**=n%10;

rev=rev\*10+rem;

n=n/10;

}

**if**(rev==copy) {

System.***out***.println("palindrome number ");

}

##### else {

System.***out***.println("not palindrome");

}

}

}

## 5.write a Java Program to find Square Root of 1 to 5

**public class** Program15 {

**public static void** main(String[] args) {

**int** start=1;

**int** end=5;

**while**(start<=end) {

**int** square=start\*start;

System.***out***.println(start+" squareRoot= "+square);

start++;

}

}

}

### OUTPUT

1. squareRoot= 1
2. squareRoot= 4
3. squareRoot= 9
4. squareRoot= 16
5. squareRoot= 25

## write a Java Program to Print 6th Tabel

**public class** Program16 {

**public static void** main(String[] args) {

**int** start=1;

**int** end=10;

**int** number=6;

**while**(start<=end) {

**int** tables=start\*number;

System.***out***.println(start+" \* "+number+" = "+tables); start++;

}

}

}

## OUTPUT

|  |  |  |  |
| --- | --- | --- | --- |
| 1 \* | 6 | = | 6 |
| 2 \* | 6 | = | 12 |
| 3 \* | 6 | = | 18 |
| 4 \* | 6 | = | 24 |
| 5 \* | 6 | = | 30 |
| 6 \* | 6 | = | 36 |
| 7 \* | 6 | = | 42 |
| 8 \* | 6 | = | 48 |
| 9 \* | 6 | = | 54 |

1. \* 6 = 60

## write a Java Program to Print Even & Odd Numbers

**public class** Program17 {

**public static void** main(String[] args) {

**int** a=1;

**int** b=10;

**while**(a<=b) {

**if**(a%2==0) {

System.***out***.println("Even Number: "+a);

}

##### else {

System.***out***.println("Odd Number : "+a);

}

a++; OUTPUT

} Odd Number : 1

} Even Number: 2

} Odd Number : 3

Even Number: 4 Odd Number : 5 Even Number: 6 Odd Number : 7 Even Number: 8 Odd Number : 9 Even Number: 10

#### 8.write a Java Program to find Sum of all Number, Sum of all Even Number ,Sum of all Odd Number

**public class** Program19 {

**public static void** main(String[] args) {

**int** n=10;

**int** sum=0;

**int** evensum=0; **int** oddsum=0; **while**(n>0){

sum=sum+n;

**if**(n%2==0) {

evensum=evensum+n;

}

##### else {

oddsum=oddsum+n;

}

n--;

}

System.***out***.println("Sum of 10 : "+sum); System.***out***.println("EvenSum of 10 : "+evensum); System.***out***.println("OddSum of 10 : "+oddsum);

}

}

OUTPUT:

Sum of 10 : 55

EvenSum of 10 : 30

OddSum of 10 : 25

## write a Java Program to find 34

**public class** Program20 {

**public static void** main(String[] args) {

**int** base=3; **int** power=4; **int** result=1;

**while**(power>0) { result=result\*base; power--;

}

System.***out***.println(result);

}

}

## OUTPUT -- 81

## Write a Java Program to convert Decimal to Binary. 45

**public class** Program22 {

**public static void** main(String[] args) {

**int** num=45; String bin=" "; **while**(num>0) {

**int** rem=num%2; bin=rem+bin; num=num/2;

}

System.***out***.print(bin);

}

}

## OUTPUT

101101

## Write a Java Program to Find Count Of Digits

**public class** Program23 {

**public static void** main(String[] args) {

**int** num=38765; **int** digits=0; **do** {

digits++; num=num/10;

}**while**(num>0);

System.***out***.println(digits);

}

}

### OUTPUT

5

## Write a Java Program to Swap 2 No’s without Using 3rd /Extra/temp Variable.

**public class** Program28 {

**public static void** main(String[] args) {

**int** a=10;

**int** b=20;

System.***out***.println("Before Swaping 'a'= "+a); System.***out***.println("Before Swaping 'b'= "+b); a=a+b;

b=a-b;

a=a-b; System.***out***.println();

System.***out***.println("After Swaping 'a'= "+a); System.***out***.println("After Swaping 'b'= "+b);

}

}

### OUTPUT

Before Swaping 'a'= 10 Before Swaping 'b'= 20 After Swaping 'a'= 20 After Swaping 'b'= 10

## Write a Java Program to Swap 2 No’s with Using 3rd /Extra/temp

Variable.

**public class** Program29 {

**public static void** main(String[] args) {

**int** n1=10;

**int** n2=20;

System.***out***.println("Before Swaping 'n1' = "+n1); System.***out***.println("Before Swaping 'n2' = "+n2);

**int** n3=n1;

n1=n2; n2=n3;

System.***out***.println("After Swaping 'n1' = "+n1); System.***out***.println("After Swaping 'n2' = "+n2);

}

}

OUTPUT:

before swaping n1=10

before swaping n2=20

after swaping n1=20

after swaping n2=10

## Write a Java Program to Add two Numbers Without Using ‘+’ Operator.

**public class** Program30 {

**public static void** main(String[] args) {

**int** x=4;

**int** y=3;

**while**(x>0) {

y++;

x--;

}

System.***out***.println(y);

}

}

## OUTPUT

## 7

## Write a java Program to given number is Strong Number or not.

**public class** StrongNumber {

**public static void** main(String[] args) {

**int** inputNumber = 145; **int** temp = inputNumber; **int** sum = 0; **while**(inputNumber>0) {

**int** num=inputNumber%10; **int** fact=1; **while**(num>0) {

fact=fact\*num; num=num-1;

}

sum=sum+fact; inputNumber=inputNumber/10;

}

**if**(temp==sum) {

System.***out***.println("Is a Strong Number");

}

##### else {

System.***out***.println("Is Not a Strong Number");

}

}

} OUTPUT:

145 is a strong number

## Write a java Program to given number is Armstrong Number or not.

**public** **class** ArmstrongNumber {

**public** **static** **void** main(String[] args) {

System.***out***.println("enter a number");

Scanner sc=**new** Scanner(System.***in***);

**int** n=sc.nextInt();

**int** temp=n;

**int** res=0;

**while**(temp>0) {

**int** num=temp%10;

res=res+num\*num\*num;

temp=temp/10;

}

**if**(res==n) {

System.***out***.println(res+" Number is Armstrong number");

}

**else** {

System.***out***.println(res+" Number is not Armstrong number");

}

}

}

OUTPUT:

153 is a Amstrong Number

# ARRAY PROGRAM

## Program to remove duplicate Array

**public** **class** RemoveDuplicateArray {

**public** **static** **void** main(String[] args) {

**int**[]a1= {10,20,30,10,20,10,30,40};

System.***out***.println("before Sorting");

**for**(**int** i=0;i<=a1.length-1;i++) {

System.***out***.println(a1[i]);

}

//logic for sorting array

System.***out***.println("after sorting array");

**int** temp=0;

**for**(**int** i=0;i<=a1.length-1;i++) {

**for**(**int** j=0;j<=a1.length-2;j++) {

**if**(a1[j]>a1[j+1]) {

temp=a1[j];

a1[j]=a1[j+1];

a1[j+1]=temp;

}

}

}

//logic for removing duplicate array 10,10,10,20,20,30,30,40

**int**[]a2=**new** **int**[a1.length];

**int** j=0;

**for**(**int** i=0;i<=a1.length-2;i++) {

**if**(a1[i]!=a1[i+1]) {

a2[j]=a1[i];

j++;

}

}

a2[j]=a1[a1.length-1];

//print the result

**for**(**int** i=0;i<=j;i++) {

System.***out***.println(a2[i]);

}

}

}

## OUTPUT

before Sorting

10

20

30

10

20

10

30

40

after sorting array

10

20

30

40

## Program to swap an Array of equal size

**public class** Progrm01 {

**public static void** main(String[] args) {

**int**[] arr1 = {1,2,5};

**int**[] arr2 = {3,6,7};

**int**[] arr3 = **new int**[arr1.length]; System.***out***.println("Before Swapping");

**for** (**int** i = 0; i < arr1.length; i++) {

System.***out***.print(arr1[i]+" ");

}

System.***out***.println();

**for** (**int** i = 0; i < arr3.length; i++) {

System.***out***.print(arr2[i]+" ");

}

**for** (**int** i = 0; i < arr1.length; i++) { arr3[i]=arr1[i];

}

**for** (**int** i = 0; i < arr2.length; i++) { arr1[i]=arr2[i];

}

**for** (**int** i = 0; i < arr3.length; i++) { arr2[i]=arr3[i];

}

System.***out***.println(); System.***out***.println("After swaping");

**for** (**int** i = 0; i < arr1.length; i++) {

System.***out***.print(arr1[i]+" ");

}

System.***out***.println();

**for** (**int** i = 0; i < arr2.length; i++) {

System.***out***.print(arr2[i]+" ");

}

}

}

### OUTPUT:

Before Swapping 1 2 5

3 6 7

After swaping 3 6 7

1 2 5

### Merge 2 sorted integer Array into 1 Array

**public class** MergeTwoArrays {

**public static void** main(String[] args) {

**int**[] array1= {4,2,8,9,10};

**int**[] array2= {1,7,3,6,5};

**int**[] array3=**new int**[array1.length+array2.length];

**int** p=0;

**for**(**int** i=0; i<array1.length; i++) { array3[p]=array1[i];

p++;

}

**for**(**int** i=0; i<array2.length; i++) { array3[p]=array2[i];

p++;

}

**for**(**int** i=0; i<array3.length; i++) {

**for**(**int** j=i; j<array3.length; j++) {

**if**(array3[i]>array3[j]) { **int** temp=array3[i]; array3[i]=array3[j]; array3[j]=temp;

}

}

System.***out***.print(array3[i]+" ");

}

}

}

## OUTPUT:

1 2 3 4 5 6 7 8 9 10

### Write a Java Program to Find Biggest Element an Given Array 45,2,67,89,65,71

**public class** BiggestElementInArray {

**public static void** main(String[] args) {

**int**[] array= {45,2,67,43,89,65,71};

**int** max=array[0];

**for**(**int** i=1; i<array.length; i++) {

**if**(array[i]>max) { max=array[i];

}

}

System.***out***.println("Biggest Element: "+max);

}

}

## OUTPUT:

Biggest Element: 89

### Write a Java Program to Find Smallest Element an Given Array 45,2,67,89,65,71

**public class** SmallestElementInArray {

**public static void** main(String[] args) {

**int**[] array= {45,2,67,43,89,65,71};

**int** small=array[0];

**for**(**int** i=1; i<array.length; i++) {

**if**(array[i]<small) {

small=array[i];

}

}

System.***out***.println("Smallest Element: "+small);

}

}

## OUTPUT:

Smallest Element: 2

### Write a Java Program to Find Even Sum Given Array 76,45,35,76,98,12,43,56,76,78,23

**public class** SumOfEvenNumber {

**public static void** main(String[] args) {

**int**[] arr={76,45,35,76,98,12,43,56,76,78,23};

**int** even=0;

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

**if**(arr[i]%2==0) { even=arr[i]+even;

}

}

System.***out***.println("SumOfEvenNumber= "+even);

}

}

## OUTPUT:

SumOfEvenNumber= 472

### Write a Java Program to Find Even Number an Given Array 34,65,78,97,34,67,24,35,90,65

**public class** EvenNumber {

**public static void** main(String[] args) {

**int**[] array= {34,65,78,97,34,67,24,35,90,65};

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

**if**(array[i]%2==0) { System.***out***.println(array[i]);

}

}

}

}

## OUTPUT:

34

78

34

24

90

### Write a Java Program to Sort Ascending Order an Given Array 98,45,67,34,87,23,13

**public class** AscendingOrder {

**public static void** main(String[] args) {

**int**[] array= {98,45,67,34,87,23,13};

System.***out***.println("Before Swapping");

**for**(**int** i=0; i<array.length; i++) { System.***out***.print(array[i]+" ");

}

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

**for**(**int** j=i; j<array.length; j++) {

**if**(array[i]>array[j]) {

**int** temp=array[i];

array[i]=array[j];

array[j]=temp;

}

}

}

System.***out***.println("After Swapping");

**for**(**int** i=0; i<array.length; i++) { System.***out***.print(array[i]+" ");

}

}

}

#### OUTPUT:

Before Sorting

98 45 67 34 87 23 13

After Sorting

13 23 34 45 67 87 98

### Write a Java Program to Sort Decending Order an Given Array 34,12,43,13,45,76,87,35,67

**public class** SortingDecendingOrder {

**public static void** main(String[] args) {

**int**[] array= {34,12,43,13,45,76,87,35,67};

System.***out***.println("Before Sorting");

**for**(**int** i=0; i<array.length; i++) { System.***out***.print(array[i]+" ");

}

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

**for**(**int** j=i; j<array.length; j++) {

**if**(array[i]<array[j]) { **int** temp=array[i]; array[i]=array[j]; array[j]=temp;

}

}

}

System.***out***.println("After Sorting");

**for**(**int** i=0; i<array.length; i++) { System.***out***.print(array[i]+" ");

}

}

}

### OUTPUT:

Before Sorting

|  |  |  |
| --- | --- | --- |
| 34 12  After | 43 13 45  Sorting | 76 87 35 67 |
| 87 76 | 67 45 43 | 35 34 13 12 |

### Write a Java Program to Swap First and Last Element an Given Array 5,2,3,4,1

**public class** SwapFirstAndLastElementinArray {

**public static void** main(String[] args) {

**int**[] array= {5,2,3,4,1}; **int** size=array.length; **int** temp=array[0]; array[0]=array[size-1]; array[size-1]=temp;

**for**(**int** i=0; i<array.length; i++) { System.***out***.print(array[i]+" ");

}

}

}

### OUTPUT:

1 2 3 4 5

### Write a Java Program to Reverse an Given Array 10,20,30,40,50

**import** java.lang.reflect.Array;

**public class** ReverseArray {

**public static void** main(String[] args) {

**int**[] array={10,20,30,40,50,60,70,80,90};

System.***out***.println("Before");

**for**(**int** i=0; i<array.length; i++) { System.***out***.print(array[i]+" ");

}

System.***out***.println(); System.***out***.println("After");

**for**(**int** i=array.length-1; i>=0; i--) { System.***out***.print(array[i]+" ");

}

}

}

### OUTPUT:

Before

10 20 30 40 50 60 70 80 90

After

90 80 70 60 50 40 30 20 10

### Write a Java Program to Reverse an Given Array 10,20,30,40,50

**import** java.lang.reflect.Array;

**public class** ReverseArray {

**public static void** main(String[] args) {

**int**[] array1={10,20,30,40,50};

**int** i=0;

**int** j=array1.length-1;

**while**(i<=j) {

**int** temp=array1[i]; array1[i]=array1[j]; array1[j]=temp;

i++;

j--;

}

**for**(i=0; i<array1.length; i++) { System.***out***.print(array1[i]+" ");

}

}

}

### OUTPUT:

50 40 30 20 10

### Write a Java Program to Find Frequency of Given Array 1,3,4,6,4,6,3,8,1,9,1,2,3,4.

**public class** DublicatValue {

**public static void** main(String[] args) {

**int**[] array= {1,3,4,6,4,6,3,8,1,9,1,2,3,4};

**int**[] freq=**new int**[array.length]; **for**(**int** i=0; i<array.length; i++) {

**int** no=array[i];

**int** count=1;

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

**if**(no==array[j]) { count++; freq[j]=-1;

}

}

**if**(freq[i]!=-1) { freq[i]=count;

}

}

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

**if**(freq[i]>0) {

System.***out***.println(array[i]+" Occurs "+freq[i]+" times");

}

}

}

}

### OUTPUT:

1 Occurs 1 times

1. Occurs 3 times
2. Occurs 3 times

6 Occurs 2 times

1. Occurs 1 times
2. Occurs 1 times

2 Occurs 1 times

### Write a Program to find 3rd largest,2nd lasrgest,3rd smallest,2nd smallest element in an given array 10, 45, 5, 6, 12, 43, 1, 9.

**public class** LastgestAndSmallest {

**public static void** main(String[] args) {

**int**[] array = **new int**[] { 10, 45, 5, 6, 12, 43, 1, 9 };

**int** temp = 0;

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

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

**if** (array[i] > array[j]) { temp = array[i]; array[i] = array[j]; array[j] = temp;

}

}

}

**int** size=array.length;

**for** (**int** i = 0; i < array.length; i++) { System.***out***.print(array[i] + " ");

}

System.***out***.println();

System.***out***.println("3rd smallest Element: "+array[2]); System.***out***.println("3rd Largest Element : "+array[size-3]); System.***out***.println("2nd smallest Element: "+array[1]); System.***out***.println("2nd Largest Element : "+array[size-2]);

}

}

OUTPUT:

|  |  |  |
| --- | --- | --- |
| 3rd | smallest Element: | 6 |
| 3rd | Largest Element : | 12 |
| 2nd | smallest Element: | 5 |
| 2nd | Largest Element : | 43 |

## STRING PROGRAMS

#### //1. CharAt()

**public class** StringProgram {

**public static void** main(String[] args) { String str="Developer"; System.***out***.println(str.charAt(4)); System.***out***.println(str.charAt(3)); System.***out***.println(str.charAt(0));

}

} OUTPUT:

l e D

#### //2.length()

**public class** StringProgram {

**public static void** main(String[] args) { String str1="Qspiders"; System.***out***.println(str1.length()); String str2="java\_8"; System.***out***.println(str2.length()); String str3="Software Engineer"; System.***out***.println(str3.length());

}

} OUTPUT:

8

6

17

#### //3.toCharArray()

**public class** StringProgram {

**public static void** main(String[] args) { String s1="Testing";

**char**[] ch=s1.toCharArray();

**for**(**int** i=0; i<ch.length; i++) { System.***out***.println(ch[i]);

}

}

} OUTPUT:

T

e s t i n g

// 4.IndexOf()

**public class** StringProgram {

**public static void** main(String[] args) { String s2="Developer"; System.***out***.println(s2.indexOf('v')); System.***out***.println(s2.indexOf('l')); System.***out***.println(s2.indexOf('h')); **int** a=s2.indexOf('e');

**int** b=s2.indexOf('e',a+1);

**int** c=s2.indexOf('e',b+1);

System.***out***.println("1st: "+a+" 2nd: "+b+" 3rd: "+ c);

}

} OUTPUT:

2

4

-1

1st: 1 2nd: 3 3rd: 7

#### // 5.Last IndexOf

**public class** StringProgram {

**public static void** main(String[] args) { String s3="Developer"; System.***out***.println(s3.lastIndexOf('p')); System.***out***.println(s3.lastIndexOf('D')); System.***out***.println(s3.lastIndexOf('e'));

}

} OUTPUT:

6

0

7

#### // 6.Contains()

**public class** StringProgram {

**public static void** main(String[] args) { String s4="Enginear"; System.***out***.println(s4.contains("job")); System.***out***.println(s4.contains("gin"));

}

} OUTPUT:

false true

#### // 7.startWith()

**public class** StringProgram {

**public static void** main(String[] args) { String s5="computer"; System.***out***.println(s5.startsWith("com")); System.***out***.println(s5.startsWith("om")); System.***out***.println(s5.startsWith("comp"));

}

} OUTPUT:

true false true

#### // 8. EndsWith()

**public class** StringProgram {

**public static void** main(String[] args) { String s6="Developer"; System.***out***.println(s6.endsWith("per")); System.***out***.println(s6.endsWith("lope")); System.***out***.println(s6.endsWith("er"));

}

} OUTPUT:

true false true

#### // 9.Equals()

**public class** StringProgram {

**public static void** main(String[] args) { String s7="java"; System.***out***.println(s7.equals("java")); System.***out***.println(s7.equals("tough")); System.***out***.println(s7.equals("Java"));

}

} OUTPUT:

true false false

#### //10.EqualsIgnoreCase()

**public class** StringProgram {

**public static void** main(String[] args) { String s8="python";

System.***out***.println(s8.equalsIgnoreCase("Python")); System.***out***.println(s8.equalsIgnoreCase("tough"));

System.***out***.println(s8.equalsIgnoreCase("python"));

}

}

OUTPUT:

true false true

#### //11.toUpperCase()

**public class** StringProgram {

**public static void** main(String[] args) { String s9="tamizh"; System.***out***.println(s9.toUpperCase());

}

} OUTPUT:

TAMIZH

#### //12.toLowerCase()

**public class** StringProgram {

**public static void** main(String[] args) { String s10="TAMIZH"; System.***out***.println(s10.toLowerCase());

}

}

OUTPUT:

tamizh

#### //13.trim()

**public class** StringProgram {

**public static void** main(String[] args) { String s11=" Core Java "; System.***out***.println(s11); System.***out***.println(s11.trim());

}

} OUTPUT:

Core Java Core Java

#### //14.subString()

**public class** StringProgram {

**public static void** main(String[] args) { String s12="developer"; System.***out***.println(s12.substring(6)); System.***out***.println(s12.substring(3,8)); System.***out***.println(s12.substring(0,7));

}

}

OUTPUT:

per elope develop

#### // 15.Split()

**public class** StringProgram {

**public static void** main(String[] args) {

String s13="Qspider Software Training center"; String[] arr=str.split(" ");

**for**(**int** i=0; i<arr.length; i++) { System.***out***.print(arr[i]+" , ");

}

}

}

### OUTPUT:

Qspider , software , Training , center ,

## Check given Number is Binary Number or Not

**public class** BinaryOrNot {

**public static void** main(String[] args){ String str ="101010";

**boolean** data = **false**;

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

**if** (str.charAt(i)=='0'||str.charAt(i)=='1') { data = **true**;

}

##### else{

data = **false**; **break**;

}

}

**if** (data) {

System.***out***.println("Binary");

}

##### else {

System.***out***.println("Is Not Binary");

}

}

}

OUTPUT:

101010 : Binary

## Check given string contains only numbers or not.

**public class** NumberOrNot {

**public static void** main(String[] args) { String s = "abc12abc";

**boolean** data = **false**;

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

**if** (s.charAt(i)>='0'&& s.charAt(i)<='9') { data = **true**;

}

##### else {

data = **false**; **break**;

}

}

**if** (data) {

System.***out***.println("Number");

}

##### else {

System.***out***.println("Not A Number");

}

}

}

OUTPUT:

Not A Number

## Write a Java Program to How to Remove Empty Space in String.

**public class** RemoveWhiteSpace {

**public static void** main(String[] args) { String str="Remove white spaces"; str = str.replaceAll("\\s+", "");

System.***out***.println("String after removing all the white spaces : "

+ str);

}

}

### OUTPUT:

String after removing all the white spaces : Removewhitespaces

## Write a Java Program to How to Remove Empty Space in String.

**public class** Program22 {

**public static void** main(String[] args) { String str="Chennai City of India"; **char**[] ch=str.toCharArray(); str="";

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

**if**(ch[i]!=' ') { str=str+ch[i];

}

}

System.***out***.println(str);

}

}

## Output:

ChennaiCityofIndia

## Write a Java Program to Count the Total Number Of Character present in a String .

**public class** NumberOfCharacter {

**public static void** main(String[] args) {

String str = "India is The best Country in a world";

**int** count = 0;

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

**if**(str.charAt(i) != ' ') { count++;

}

}

System.***out***.println("Total number of characters: " + count);

}

}

### OUTPUT:

Total number of characters: 29

## Write a Java Program to Count the Total Number Of Vowels & Consonents present in a String .

**public class** VowelsAndConsonents {

**public static void** main(String[] args) {

**int** vowels = 0;

**int** consonents = 0;

String str = "This is a really simple sentence"; str = str.toLowerCase();

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

**if**(str.charAt(i) == 'a' || str.charAt(i) == 'e' || str.charAt(i) == 'i' || str.charAt(i) == 'o' || str.charAt(i) == 'u') {

vowels++;

}

**else if**(str.charAt(i) >= 'a' && str.charAt(i)<='z') { consonents++;

}

}

System.***out***.println("Number of vowels: " + vowels);

System.***out***.println("Number of consonants: " + consonents);

}

}

### OUTPUT:

Number of vowels: 10 Number of consonants: 17

## Write a Java Program to Replace a LowerCase into UpperCase and Vice Versa in a String .

**public class** LoverCharIntoUpperChar {

**public static void** main(String[] args) { String str1="Great Power";

StringBuffer newStr=**new** StringBuffer(str1);

**for**(**int** i = 0; i < str1.length(); i++) { **if**(Character.*isLowerCase*(str1.charAt(i))) { newStr.setCharAt(i, Character.*toUpperCase*(str1.charAt(i)));

}

**else if**(Character.*isUpperCase*(str1.charAt(i))) { newStr.setCharAt(i, Character.*toLowerCase*(str1.charAt(i)));

}

}

System.***out***.println("String after case conversion : " + newStr);

}

}

### OUTPUT:

String after case conversion : gREAT pOWER

## Write a Java Program to String Palindrome.

**import** java.util.Scanner;

**public class** Program27 {

**public static void** main(String[] args) { Scanner in=**new** Scanner(System.***in***);

System.***out***.print("Enter a String: "); String str=in.next();

String reverse="";

**int** length=str.length();

**for**(**int** i=length-1; i>=0; i--) { reverse=reverse+str.charAt(i);

}

**if**(str.equals(reverse)) { System.***out***.println("Is a Palindrome");

}

##### else {

System.***out***.println("Is not a Palindrome");

}

}

}

## OUTPUT

Enter a String: MADAM

Is a Palindrome

## Write a Java Program to Reverse String.

**public class** ReverseString {

**public static void** main(String[] args) { String str="Chennai";

**char**[] ch=str.toCharArray(); str=" ";

**for**(**int** i=ch.length-1; i>=0; i--) { str=str+ch[i];

}

System.***out***.println(str);

}

}

### OUTPUT:

iannehC

## Java Program to find the maximum and minimum occurring character in a string

**import** java.util.\*;

**public class** MaximumAndMinimium{

**public static void** main(String[] args) {

Scanner sc=**new** Scanner(System.***in***);

System.***out***.println("Enter the string: "); String str=sc.nextLine();

**int**[] freq = **new int**[str.length()]; **char** minChar = str.charAt(0);

**char** maxChar = str.charAt(0);

**int** min;

**int** max;

**char** string[] = str.toCharArray();

**for**(**int** i = 0; i < string.length; i++) { freq[i] = 1;

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

**if**(string[i] == string[j] && string[i] != ' ' && string[i] != '0')

{

freq[i]++; string[j] = '0';

}

}

}

min = max = freq[0];

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

**if**(min > freq[i] && freq[i] != '0') { min = freq[i];

minChar = string[i];

}

**if**(max < freq[i]) { max = freq[i];

maxChar = string[i];

}

}

System.***out***.println("Minimum occurring character: " + minChar); System.***out***.println("Maximum occurring character: " + maxChar);

}

}

### OUTPUT:

Enter the string:

hello world

Minimum occurring character: h Maximum occurring character: l

## Java Program to find the Dublicate word in a String .

**public class** DuplicateWord {

**public static void** main(String[] args) {

String string = "Big black bug bit a big black dog on his big black nose";

**int** count;

string = string.toLowerCase();

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

System.***out***.println("Duplicate words in a given string : ");

**for**(**int** i = 0; i < words.length; i++) { count = 1;

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

**if**(words[i].equals(words[j])) { count++;

words[j] = "0";

}

}

**if**(count > 1 && words[i] != "0") {

System.***out***.println(words[i]);

}

}

}

}

### OUTPUT:

Duplicate words in a given string :

big black

## Java Program to find the Frequency Of Character in a String .

**public class** FrequencyCharacter{

**public static void** main(String[] args) { String str = "picture perfect";

**int**[] freq = **new int**[str.length()];

**char** string[] = str.toCharArray();

**for**(**int** i = 0; i <str.length(); i++) { freq[i] = 1;

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

**if**(string[i] == string[j]) { freq[i]++;

string[j] = '0';

}

}

}

System.***out***.println("Characters and their corresponding frequencies");

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

**if**(string[i] != ' ' && string[i] != '0') {

System.***out***.println(string[i] + "-" + freq[i]);

}

}

}

}

### OUTPUT:

Characters and their corresponding frequencies p-2

i-1

c-2

t-2

u-1

r-2

e-3

f-1

## Java Program to Reverse a String in java word by word .

**import** java.util.Scanner;

**public class** ReverseStringWordByWordProgram {

**public static** String reverseTheSentence(String inputString){ String[] words = inputString.split("\\s");

String outputString = "";

**for** (**int** i = words.length-1; i >= 0; i--){ outputString = outputString + words[i] + " ";

}

**return** outputString;

}

**public static void** main(String[] args) {

Scanner sc = **new** Scanner(System.***in***); System.***out***.println("Enter Input String :"); String inputString = sc.nextLine();

String outputString = *reverseTheSentence*(inputString); System.***out***.println("Input String : "+inputString); System.***out***.println("Output String : "+outputString); sc.close();

}

}

### OUTPUT:

Enter Input String : hello world

Input String : hello world Output String : world hello