

No-1:

```
public class NO_1 {  
  
    public static void main(String[] args){  
  
        int num=5671,result=0;  
  
        while (num!=0){  
  
            int digit=num%10;  
  
            result=(result*10)+digit;  
  
            num=num/10;  
  
        }  
  
        System.out.println("result= "+result);  
  
    }  
}
```

NO-2:

```
public class No_2 {  
  
    public static void main(String[] args){  
  
        String str="this is a string";  
  
        char ch=str.charAt(0);  
  
        int count=0;  
  
        for (int i=1; i<str.length(); i++){  
  
            if (str.charAt(i)==ch) count++;  
  
        }  
  
        System.out.println(count);  
  
    }  
}
```

No-3:

```
public class No_3 {  
  
    public static void main(String[]a){  
  
  
        int first=0,second=1,next=0;  
  
        int [] array=new int[10];  
  
        for (int i=0; i<10; i++){  
  
            array[i]=first;  
  
            next=first+second;  
  
            first=second;  
  
            second=next;  
  
        }  
  
        for (int numbers:array) System.out.print(numbers+" ");  
  
    }  
}
```

N0-4:

```
import java.util.Scanner;

public class No_4 {

    public static void main(String []args){

        Scanner input=new Scanner (System.in);

        System.out.println("enter the number of employees: ");

        int n=input.nextInt();

        int []c1=new int[n];

        int [] c2=new int [n];

        int sum_c1=0,sum_c2=0;

        System.out.println("enter the salaries of company 1: ");

        for (int i=0; i<n; i++){

            c1[i]=input.nextInt();

            sum_c1=sum_c1+c1[i];

        }

        System.out.println("enter the salaries of company 2: ");

        for (int i=0; i<n; i++){

            c2[i]=input.nextInt();

            sum_c2=sum_c2+c2[i];

        }

        if (sum_c1>sum_c2) System.out.println("company 1 has higher average salary.");

        else System.out.println("company 2 has higher average salary.");

    }

}
```

```
}
```

No-5:

```
public class Time {  
    int hours,mins,seconds;  
    public Time(int hours,int mins,int seconds){  
        this.hours=hours;  
        this.mins=mins;  
        this.seconds=seconds;  
    }  
  
    public static void main(String []args){  
        Time start=new Time(5,16,55);  
        Time stop=new Time(2,33,59);  
        Time result=new Time(0,0,0);  
  
        if (stop.seconds>start.seconds){  
            start.seconds+=60;  
            stop.mins--;  
        }  
  
        result.seconds=start.seconds-stop.seconds;  
  
        if (stop.mins>start.mins){  
            start.mins+=60;  
            stop.hours--;
```

```
}

result.mins=start.mins-stop.mins;

result.hours=start.hours-stop.hours;


System.out.printf("the time differece is %d %d %d\n",result.hours,result.mins,result.seconds);


}

}
```

No-6:

```
import java.util.Scanner;


public class No_6 {

    public static void main(String[]args){

        Scanner input=new Scanner(System.in);

        int n=input.nextInt();

        double sum=0;

        int a=1;

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

            sum=sum+Math.pow(a,2);

            a+=2;

        }


        System.out.println(sum);

    }

}
```

```
    }  
}
```

No-7:

```
import java.util.Scanner;
```

```
public class No_7 {  
    public static void main(String []args){  
        Scanner input=new Scanner(System.in);  
        int n=input.nextInt();  
        double sum=0;  
        int a=2;  
        for (int i=1; i<=n; i++){  
            sum=sum+Math.pow(a,2);  
            a+=2;  
        }  
  
        System.out.println(sum);  
    }  
}
```

No-8:

```
import java.util.Scanner;

public class No_8 {

    public static void main(String []args){

        Scanner input=new Scanner(System.in);

        System.out.println("initial velocity: ");

        double u=input.nextDouble();

        System.out.println("acceleration: ");

        double a=input.nextDouble();

        System.out.println("time: ");

        double t=input.nextDouble();

        double s=(u*t)+(0.5*a*t*t);

        System.out.println(s);

    }

}
```

No-9:

```
import java.util.Scanner;

public class No_9 {

    public static void main(String[]args){

        Scanner input=new Scanner(System.in);

        System.out.println("initial velocity: ");

        int u=input.nextInt();
```

```

System.out.println("time: ");

int t=input.nextInt();

double h= (u*t)-(0.5*9.8*t*t);


System.out.println(h);


}
}

```

No-10:

```

import java.util.Scanner;

public class No_10 {

    public static void main(String[] args){

        Scanner input=new Scanner (System.in);

        int n=input.nextInt();

        if (n%4!=0 && n%6==0) System.out.println("this number is divisible by six but not by 4");

        else if (n%4==0 && n%6!=0) System.out.println("this number is divisible by 4 but not by 6");

        else if (n%4==0 && n%6==0) System.out.println("this number is divisible by both 4 and 6");

    }

}

```


N0-11:

```
import java.util.Scanner;

public class No_11 {

    public static void main(String[]args){

        Scanner input=new Scanner (System.in);

        int n=input.nextInt();

        if (n%3!=0 && n%2==0) System.out.println("this number is divisible by 2 but not by 3");

        else if (n%3==0 && n%2!=0) System.out.println("this number is divisible by 3 but not by 2");

        else if (n%3==0 && n%2==0) System.out.println("this number is divisible by both 3 and 2");

    }

}
```

No-12:

```
import java.util.Scanner;

public class No_12 {

    public static void main(String[]args){

        Scanner input=new Scanner(System.in);

        System.out.println("enter total unit: ");

        int unit=input.nextInt();

        int flag=0;

        if (unit>=0 && unit<=199) flag=1;

        if (unit>=200 && unit<=299) flag=2;

        if (unit>=300) flag=3;
```

```

double bill=0;

switch (flag){

    case 1: bill = 5*unit;

        break;

    case 2: bill= ( (unit-199)*10 + (199*5) );

        break;

    case 3: bill= (unit-299)*15 + (100*10) +(199*5);


}

System.out.println(bill);

}

}

```

No-13:

```

import java.util.Scanner;

public class No_13 {

    public static void main(String []args){

        Scanner input=new Scanner(System.in);

        int m=input.nextInt();

        int result=1;

        for (int i=1; i<=m ; i++){

            result=result*i;

        }

        System.out.println(result);
    }
}

```

```
}
```

```
}
```

No-14:

```
import java.util.Scanner;
```

```
public class No_14 {
```

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

```
        Scanner input= new Scanner(System.in);
```

```
        System.out.print("enter length: ");
```

```
        double length=input.nextDouble();
```

```
        System.out.print("enter width: ");
```

```
        double width=input.nextDouble();
```

```
        double area=length*width;
```

```
        System.out.println("area of rectangle = "+area);
```

```
    }
```

```
}
```

N0-15:

```
public class No_15 {
```

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

```
        for (int i=1; i<=50; i++){
```

```
            if (i%2==0) System.out.print(i+" ");
```

```
            else continue;
```

```
    }  
}  
}
```

No-16:

```
public class No_16 {  
    public static void main(String[] args){  
        for (char a='A'; a<='Z'; a++){  
            System.out.print(a);  
            System.out.print(a);  
        }  
    }  
}
```

No-17:

```
import java.util.Scanner;  
  
public class No_17 {  
    public static void main(String []args){  
        Scanner input=new Scanner(System.in);  
        char letter=input.next().charAt(0);  
        System.out.print("the entered alplabet is: ");  
        switch(letter){  
            case 'a':  
                System.out.print(letter+" and it is a vowel");  
                break;
```

```

    case 'e':

        System.out.print(letter+" and it is a vowel");

        break;

    case 'i':

        System.out.print(letter+ " and it is a vowel");

        break;

    case 'o':

        System.out.print(letter+" and it is a vowel");

        break;

    default :

        System.out.printf(letter+ " and it is a consonant\n");

    }

}

}

```

No-18:

```

import java.util.Scanner;

public class No_18 {

    public static void main(String []args){

        Scanner input=new Scanner(System.in);

        System.out.print("Insert bat length in cm: ");

        double length=input.nextDouble();

        double answer=length*0.393;

        System.out.printf("Length in inch is : %f\n",answer);
    }
}

```

```
}  
}
```

No-19:

```
import java.util.Scanner;  
  
public class No_19 {  
  
    public static void main(String[] args){  
  
        Scanner input=new Scanner (System.in);  
  
        int n=input.nextInt();  
  
        int hour=n/3600;  
  
        if (hour>0){  
  
            n=n-(hour*60*60);  
  
        }  
  
        int min=n/60;  
  
        if (min>0){  
  
            n=n-(min*60);  
  
        }  
  
        int seconds=n;  
  
        System.out.println(hour+" "+min+" "+seconds);  
  
    }  
}
```

No-20:

```
import java.util.Scanner;
```

```
public class No_20 {
```

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

```
        Scanner input=new Scanner(System.in);
```

```
        int max=-1;
```

```
        for(int i=0; ;i++){
```

```
            int n=input.nextInt();
```

```
            if (n<0) break;
```

```
            if (n>max) max=n;
```

```
        }
```

```
        System.out.println(max);
```

```
    }
```

```
}
```

No-21:

```
import java.util.Scanner;
```

```
public class No_21 {
```

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

```

Scanner input=new Scanner(System.in);

int n=input.nextInt();

System.out.print("the factors of "+n+" are: ");

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

    if (n%i==0) System.out.print(i+" ");

}

}

}

```

No-22:

```

import java.util.Scanner;

public class No_22 {

    public static void main(String[]args){

        Scanner input=new Scanner(System.in);

        int r= input.nextInt();

        double volume=(3.0/4)*3.142*r*r*r;

        System.out.println("Volume = "+volume);

    }

}

```


No-23:

```
import java.util.Scanner;

public class No_23 {

    public static void main(String[] args){

        Scanner input=new Scanner(System.in);

        int r= input.nextInt();

        double surface_area=4*3.142*r*r;

        System.out.println("Surface area = "+surface_area);

    }

}
```

No-24:

```
import java.util.Scanner;

public class No_24 {

    public static void main(String[] args){

        Scanner input=new Scanner (System.in);

        char ch=input.next().charAt(0);

        if ((ch>='a' && ch<='z') || (ch>='A' && ch<='Z')) System.out.printf("%c is an alphabet\n",ch);

        else if (ch>='0' && ch<='9') System.out.printf("%c is a digit\n",ch);

        else System.out.printf("%c is a special symbol\n",ch);

    }

}
```

No-25:

```
import java.util.Scanner;

public class No_25 {

    public static void main(String[] args){

        Scanner input=new Scanner (System.in);

        int r=input.nextInt();

        double area=3.142*r*r;

        double circumference= 2*3.142*r;

        System.out.println("the area is "+area+" and the circumference is "+ circumference);

    }

}
```

No-26:

```
import java.util.Scanner;

public class No_26 {

    public static void main(String []args){

        Scanner input=new Scanner(System.in);

        System.out.print("Insert book length in cm: ");

        double length=input.nextDouble();

        double answer=length*0.393;

        System.out.printf("Length in inch is : %f\n",answer);

    }

}
```

No-27:

```
import java.util.Scanner;

public class No_27 {

    public static void main(String[] args){

        Scanner input=new Scanner (System.in);

        int n=input.nextInt();

        int sum=0;

        while(n!=0){

            int digit=n%10;

            sum+=digit;

            n=n/10;

        }

        System.out.println(sum);

    }

}
```

No-28:

```
import java.util.Scanner;

public class No_28 {

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

```

Scanner input=new Scanner (System.in);

int annual_salary=input.nextInt();

double monthly_salary=(annual_salary*1.00)/12;

System.out.println("monthly salary: "+monthly_salary);

}

}

```

No-29:

```

import java.util.Scanner;

public class No_29 {

    public static void main(String[] args){

        Scanner input=new Scanner (System.in);

        int a= input.nextInt();

        int b=input.nextInt();

        int c=input.nextInt();

        if (a+b+c==180 && a>0 && b>0 && c>0){

            if (a==90 || b==90 || c==90) System.out.println("right angled triangle");

            else if (a<90 && b<90 && c<90) System.out.println("acute triangle ");

            else if (a>90 || b>90 || c>90) System.out.println("obtuse triangle ");

        }

        else System.out.println("this is not a triangle");

    }

}

```

No-30:

```
import java.util.Scanner;
```

```
public class No_30 {
```

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

```
        Scanner input=new Scanner (System.in);
```

```
        int a= input.nextInt();
```

```
        int b=input.nextInt();
```

```
        int c=180-(a+b);
```

```
        if (a+b+c==180 && a>0 && b>0 && c>0){
```

```
            if (a==90 || b==90 || c==90) System.out.println("right angled triangle");
```

```
            else if (a<90 && b<90 && c<90) System.out.println("acute triangle ");
```

```
            else if (a>90 || b>90 || c>90) System.out.println("obtuse triangle ");
```

```
        }
```

```
        else System.out.println("this is not a triangle");
```

```
    }
```

```
}
```

No-31:

Output: AABBCDDDEE

No-32:

```
import java.util.Scanner;

public class No_32 {

    public static void main(String[] args){

        Scanner input=new Scanner (System.in);

        System.out.println("enter the number of elements : ");

        int n=input.nextInt();

        int []array=new int [n];

        int []reverse_array=new int[n];

        System.out.print("Arrays: ");

        for (int i=0,j=n-1; i<n; i++,j--){

            array[i]=input.nextInt();

            reverse_array[j]=array[i];

        }

        System.out.println("after reversing the array becomes: ");

        for (int numbers: reverse_array) System.out.print(numbers+" ");

    }

}
```

No-33:

```
import java.util.Scanner;

public class No_33 {

    public static void main(String []args){

        Scanner input=new Scanner(System.in);

        int []array=new int [9];

        int middle_no=0;

        for (int i=0; i<9; i++){

            array[i]=input.nextInt();

            if (i==9/2) middle_no=array[i];

        }

        int count=0;

        for (int i=0;i<9; i++){

            if (array[i]>middle_no) count++;

        }

        System.out.println(count);

    }

}
```

No-34:

```
import java.util.Scanner;
```

```
public class No_34 {
```

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

```
        Scanner input=new Scanner (System.in);
```

```
        int []array=new int [5];
```

```
        int sum=0;
```

```
        for (int i =0; i<5; i++){
```

```
            array[i]=input.nextInt();
```

```
            sum+=array[i];
```

```
        }
```

```
        double average=sum/5;
```

```
        int count=0;
```

```
        for (int i=0; i<5; i++){
```

```
            if (array[i]> average) count++;
```

```
        }
```

```
        System.out.printf("the number of students who scored above average: %d",count);
```

```
    }
```

```
}
```


No-35:

```
import java.util.Scanner;
```

```
public class No_35 {
```

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

```
        Scanner input=new Scanner(System.in);
```

```
        String word=input.next();
```

```
        char first=word.charAt(0);
```

```
        int count=0;
```

```
        for (int i=1; i<word.length(); i++){
```

```
            if (first==word.charAt(i)) count++;
```

```
        }
```

```
        System.out.println(count);
```

```
    }
```

```
}
```

No-36:

```
import java.util.Scanner;
```

```
public class No_36 {
```

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

```
        Scanner input=new Scanner(System.in);
```

```
        int []array=new int [5];
```

```
        for (int i=0; i<5; i++){
```

```
            array[i]=input.nextInt();
```

```
        }
```

```
        int count=0;
```

```
        for (int i=0; i<5; i++){
```

```
            for (int j=1; j<=array[i]; j++){
```

```
                if (array[i]%j==0) count++;
```

```
            }
```

```
            System.out.printf("no.of factors of %d is %d\n",array[i],count);
```

```
            count=0;
```

```
        }
```

```
    }
```

```
}
```

No-37:

```
import java.util.Scanner;

public class No_37 {

    public static void main(String []args){

        Scanner input=new Scanner (System.in);

        int [][]array=new int[50][3];


        for (int i=0; i<50; i++){

            System.out.printf("enter the marks of student %d:\n",i+1));

            for (int j=0; j<3; j++){

                array[i][j]=input.nextInt();

            }

        }

        int index=0;

        for (int i=0; i<3; i++){

            int max=array[0][i];

            for (int j=0; j<50; j++){

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

                    max=array[j][i];

                    index=j;

                }

            }

        }

    }

}
```

```

        }

    }

    System.out.printf("Student %d got the highest mark in exam %d\n", (index+1), (i+1));

}

}

}

```

No-38:

```

import java.util.Scanner;

public class No_38 {

    public static void main(String []args){

        Scanner input=new Scanner (System.in);

        System.out.print("input upper limit: ");

        int n=input.nextInt();

        int sum=0;

        System.out.print("perfect number between 1 to "+n+": " );

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

            for (int j=1; j<=i/2; j++){

                if (i%j==0) sum+=j;

            }

            if (sum==i) System.out.print(i+" ");

            sum=0;

        }

    }

}

```

```
}  
}
```

No-39:

```
import java.util.Scanner;
```

```
public class No_39 {  
  
    public static void main(String[] args){  
  
        Scanner input =new Scanner (System.in);  
  
        int [][]array=new int [3][3];  
  
        int sum_row=0,sum_column=0;  
  
        System.out.println("input numbers in 2D array: ");  
  
        for (int i=0; i<3; i++){  
  
            for (int j=0; j<3; j++){  
  
                array[i][j]=input.nextInt();  
  
            }  
  
        }  
  
        for (int i=0; i<3; i++){  
  
            for (int j=0; j<3; j++){  
  
                sum_row=sum_row+array[i][j];  
  
            }  
  
            System.out.printf("sum of row %d : %d\n", (i+1),sum_row);  
  
            sum_row=0;  
  
        }  
    }  
}
```

```

System.out.println("\n");

for (int i=0; i<3; i++){

    for (int j=0; j<3; j++){

        sum_column=sum_column+array[j][i];

    }

    System.out.printf("sum of column %d: %d\n", (i+1), sum_column);

    sum_column=0;

}

}

}

```

No-40:

```

import java.util.Scanner;

public class No_40 {

    public static void main(String[] args){

        Scanner input=new Scanner (System.in);

        int []array=new int [5];

        int flag=0;

        // assuming a teenager is aged between 13 and 18:

        for (int i=0; i<5; i++){

            array[i]=input.nextInt();

            if (array[i]>=13 && array[i]<=18) flag=1;

        }

        if (flag==1) System.out.println("yes");
    }
}

```

```
        else System.out.println("no");  
    }  
}
```

No-41:

```
import java.util.Scanner;  
  
public class No_41 {  
  
    public static void main(String[] args){  
  
        Scanner input=new Scanner (System.in);  
  
        String word=input.next();  
  
        String result="";  
  
  
        for (int i=0; i<word.length(); i++){  
  
            if (i==0) result=result+word.charAt(i);  
  
            else {  
  
                char ch=word.charAt(i);  
  
                result=result+(++ch);  
  
            }  
  
        }  
  
        System.out.println(result);  
  
    }  
  
}
```

No-42:

```
import java.util.Scanner;
```

```
public class No_42 {  
    public static void main(String[] args){  
        Scanner input=new Scanner(System.in);  
        String word=input.next();  
        word=word.toLowerCase();  
        int count=0;  
        for (int i=0; i<word.length(); i++){  
            char ch=word.charAt(i);  
            if (ch=='a' || ch=='e' || ch=='i' || ch=='o' || ch=='u'){  
                count++;  
            }  
        }  
        System.out.println(count);  
    }  
}
```


No-43:

```
import java.util.Scanner;
```

```
public class No_43 {
```

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

```
        Scanner input =new Scanner(System.in);
```

```
        int flag=0,count=0;
```

```
        for (int i=0; i<10; i++){
```

```
            int num=input.nextInt();
```

```
            for (int j=2; j<=num/2; j++){
```

```
                if (num%j==0) flag=1;
```

```
            }
```

```
            if (flag==0 && num!=2) count++;
```

```
            else flag=0;
```

```
        }
```

```
        System.out.println(count+" numbers are prime");
```

```
    }
```

```
}
```

```
import java.util.Scanner;
```

```
public class No_44 {
```

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

```
Scanner input=new Scanner (System.in);
```

```
System.out.println("enter the number of rows and columns");
```

```
int rows=input.nextInt();
```

```
int columns=input.nextInt();
```

```
if (rows==columns){
```

```
int [][]array=new int[rows][rows];
```

```
for (int i=0; i<rows;i++){
```

```
for (int j=0; j<rows;j++){
```

```
array[i][j]=input.nextInt();
```

}

}

```
int flag1=0,flag2=0 ;
```

```
for (int i=0; i<rows; i++){
```

```
for (int j=0; j<rows; j++){
```

```
if (i==j && array[0][0]==array[i][j]) flag1++;
```

```
if (i!=j && array[i][j]!=0){
```

```
        flag2=1;

        break;
    }

}

if (flag2==1) break;

}

if (flag1==rows && flag2==0) System.out.println("scaler matrix");
else System.out.println("not a scaler matrix");

}

else System.out.println("not scaler matrix since it is not a square matrix");
}

}
```

No-45:

```
import java.util.Scanner;
```

```
public class No_45 {
```

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

```
        Scanner input=new Scanner (System.in);
```

```
        System.out.println("enter the number of rows and columns(no.of rows and columns must be same)");
```

```
        int rows=input.nextInt();
```

```
        int [][]array=new int[rows][rows];
```

```
        int sum=0;
```

```
        for (int i=0; i<rows;i++){
```

```
            for (int j=0; j<rows;j++){
```

```
                array[i][j]=input.nextInt();
```

```
                if (i==j) sum=sum+array[i][j];
```

```
            }
```

```
        }
```

```
        System.out.println("the sum of the diagonal elements is : "+sum);
```

```
    }
```

```
}
```

No-46:

```
import java.util.Scanner;

public class No_46 {

    public static void main(String[]a){

        Scanner input=new Scanner(System.in);

        System.out.print("enter the size of the array: ");

        int n=input.nextInt();

        int []array= new int [n];

        System.out.print("entert the elements");

        for (int i=0; i<n; i++){

            array[i]=input.nextInt();

        }


        int flag=0,unique_elements=0;

        for (int i=0; i<n; i++){

            for (int j=0; j<n; j++){

                if (i!=j && array[i]==array[j]) flag=1;

            }

            if (flag==0) unique_elements++;

            else flag=0;

        }

    }

}
```

```
        System.out.println("no of unique elements are :"+ unique_elements);
    }
}
```

No-47:

```
import java.util.Scanner;

public class No_47 {

    public static void main(String[] args){

        Scanner input=new Scanner (System.in);

        int [][]array=new int[3][12];

        for (int i=0; i<3; i++){

            System.out.println("enter the salries of year "+(i+1));

            for (int j=0; j<12; j++){

                array[i][j]=input.nextInt();

            }

        }

        int sum=0;

        for (int i=0; i<3; i++){

            for (int j=0;j<12; j++){

                sum=sum+array[i][j];

            }

            System.out.println("the total sales for year "+(i+1)+" is "+sum);

            sum=0;

        }

    }

}
```

```
    }  
}  
}
```

No-48:

```
import java.util.Scanner;  
  
public class No_48 {  
  
    public static void main(String[]a){  
  
        Scanner input=new Scanner(System.in);  
  
        System.out.print("enter the size of the array: ");  
  
        int n=input.nextInt();  
  
        int []array= new int [n];  
  
        System.out.print("entert the elements");  
  
        for (int i=0; i<n; i++){  
  
            array[i]=input.nextInt();  
  
        }  
  
  
        int count=0,repeating_elements=0,flag=0;  
  
  
        for (int i=0; i<n; i++){  
  
            for (int j=0; j<i; j++){  
  
                if (array[i]==array[j]) flag=1;  
  
            }  
  
        }  
  
    }  
}
```

```

        if (flag==0){
            for (int j=i+1; j<n; j++){
                if (array[i]==array[j]) count++;
            }

        }

        if (count!=0) repeating_elements++;

        count=0;

        flag=0;

    }

    System.out.println("no.of repeating elements: "+repeating_elements);

}

}

```

No-49:

```

import java.util.Scanner;

public class No_49 {

    public static void main(String[]a){

        int [][] array=new int [10][3];

        Scanner input=new Scanner(System.in);
    }
}

```



```

for (int i=0; i<10; i++){

    System.out.println("enter the marks for Student "+ (i+1));

    for (int j=0; j<3; j++){

        System.out.println("enter the marks of exam "+(j+1));

        array[i][j]=input.nextInt();

    }

}

for (int i=0; i<10; i++){

    int max=array[i][0];

    for (int j=0; j<3; j++){

        if (array[i][j]>max) max=array[i][j];

    }

    System.out.printf("for student %d , max mark is %d", (i+1), max);

    System.out.println("");

}

}

}

```

No-50:

```
import java.util.Scanner;
```

```
public class No_50 {
```

```
    public static void main(String[]a){
```

```
        Scanner input=new Scanner (System.in);
```

```
        String line=input.nextLine();
```

```
        String reverseLine="";
```

```
        for(int i=line.length()-1,j=0; i>=0; i--,j++){
```

```
            reverseLine+=line.charAt(i);
```

```
        }
```

```
        System.out.println(reverseLine);
```

```
    }
```

```
}
```