**Java programs-day1**

**1.Max and min of 3 numbers:**

import java.util.scanner;

class Examp

{

System.out.println("Enter the three numbers");

Scanner sc=new Scanner(System.in);

int a=sc.nextInt();

int b=sc.nextInt();

int c=sc.nextInt();

if(a>b&&a>c)

System.out.println("Max value is "+a);

else if(b>c)

System.out.println("max value"+b);

else

System.out.println("max value is "+c);

if(a<b&&a<c)

System.out.println("min value is"+a);

else if(b<c)

System.out.println("min value"+b);

else

System.out.println("min value"+c);

}

class MaxMin

{

   public static void main(String args[])

{

      Examp e=new Examp();

   }

}

**2.Factorial:**

import java.util.Scanner;

class Example{

Scanner sc =new Scanner(System.in);

Example()

{

int i,fact=1;

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

int n=sc.nextInt();

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

fact=fact\*i;

}

System.out.println("Factorial of"+n+"is:"+fact); }

}

class Factorial{

public static void main(String args[]){

Example e=new Example();

}

}

**3.Average:**

import java.util.Scanner;

class A

{

Scanner sc=new Scanner(System.in);

A()

{

System.out.println("enter marks in telugu:");

int t=sc.nextInt();

System.out.println("enter marks in Englsh:");

int e=sc.nextInt();

System.out.println("enter marks in hindi:");

int h=sc.nextInt();

System.out.println("enter marks in maths:");

int m=sc.nextInt();

System.out.println("enter marks in Science:");

int s=sc.nextInt();

System.out.println("enter marks in social:");

int ss=sc.nextInt();

int total=t+e+h+m+s+ss;

int per=total/6;

System.out.println("average marks:"+per);

}

}

class Average

{

public static void main(String args[])

{

A o=new A();

}

}

**4.Leap year:**

import java.util.Scanner;

class LeapYear {

public static void main(String args[]){

int year;

System.out.println("Enter an Year :: ");

Scanner sc = new Scanner(System.in);

year = sc.nextInt();

if (((year % 4 == 0) && (year % 100!= 0)) || (year%400 == 0))

System.out.println("Specified year is a leap year");

else

System.out.println("Specified year is not a leap year");

}

}

**5.Prime number:**

import java.util.Scanner;

class Prime

{

public static void main(String args[])

{

int num, i, count=0;

Scanner sc= new Scanner(System.in);

System.out.print("Enter a Number: ");

num = sc.nextInt();

for(i=2; i<num; i++)

{

if(num%i == 0)

{

count++;

break;

}

}

if(count==0)

System.out.println("It is a Prime Number.");

else

System.out.println("It is not a Prime Number.");

}

}

**6.Area and Perimeter:**

import java.util.Scanner;

class Parameters

{

public static void main(String args[])

{

Scanner sc=new Scanner(System.in);

System.out.println("length of the rectangele L:");

int l=sc.nextInt();

System.out.println("breadth of the rectangele B:");

int b=sc.nextInt();

int arear=l\*b;

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

System.out.println("side of the square s:");

int s=sc.nextInt();

int areas=side\*side;

System.out.println("area of square is"+areas);

}

}

**7.Interest:**

import java.util.Scanner;

class Interest

{

public static void main(String args[])

{

Scanner sc=new Scanner(System.in);

System.out.println("enter the value of p:");

double p=sc.nextDouble();

System.out.println("enter the value of T:");

int t=sc.nextInt();

System.out.println("enter the value of R:");

float r=sc.nextFloat();

System.out.println("value of p:"+p);

System.out.println("value of t:"+t);

System.out.println("value of r:"+r);

Double i=(p\*t\*r)/100;

System.out.println("Simple interest is "+i);

}

}

**8.Power:**

import java.util.Scanner;

class Power

{

public static void main(String args[])

{

Scanner sc=new Scanner(System.in);

System.out.println("Enter the base value a:");

int a=sc.nextInt();

System.out.println("Enter the exponent value b:");

int b=sc.nextInt();

System.out.println("entered number is "+a+"and its power is "+b+"value is "+Math.pow(a,b));

}

}