1.To find perimeter and area of circle.

import java.util.Scanner;

class Circle {

public static void main(String[] args) {

Scanner input = new Scanner(System.in);

System.out.println("Input the radius of the circle: ");

double radius = input.nextDouble();

if(radius<=0)

{

System.out.println("please enter non positive numbers");

}

System.out.println("Perimeter is = " + (2 \* radius \* Math.PI));

System.out.println("Area is = " + (Math.PI \* radius \* radius));

}

}

2.To find the largest number among three numbers X,Y,Z.

import java.util.Scanner;

class Largenumber {

public static void main(String[] args) {

double x, y, z;

Scanner input = new Scanner(System.in);

x = input.nextInt();

y = input.nextInt();

z = input.nextInt();

if( x >= y&& x >= z)

System.out.println(x + " is the largest number.");

else if (y >= x && y>= z)

System.out.println(y + " is the largest number.");

else

System.out.println(z + " is the largest number.");

}

}

4.To check weather the number is an amstrong number or not.

class Armstrong{

public static void main(String[] args) {

int c=0,a,temp;

int n=153

temp=n;

while(n>0)

{

a=n%10;

n=n/10;

c=c+(a\*a\*a);

}

if(temp==c)

System.out.println("armstrong number");

else

System.out.println("Not armstrong number");

}

6.Math.sqrt.

import java.util.Scanner;

class Circle extends Point{

public static void main(String[] args) {

Scanner sc = new Scanner(System.in);

Point m=new Point();

m.x=sc.nextDouble();

m.y=sc.nextDouble();

Point p=new Point();

p.x=sc.nextDouble();

p.y=sc.nextDouble();

Circle c1=new Circle();

c1.distance(m,p);

}

}

class Point {

double x,y;

double distance(Point p1, Point p2)

{

double result;

result = Math.sqrt(Math.pow((p2.x - p1.x),2) + Math.pow((p2.y - p1.y),2));

System.out.print(result);

return result;

}

}

3. class Sum

{

public static void main(String a[])

{

int num=Integer.parseInt(a[0]);

int sum=0;

for(int i=1;i<=num;i++)

{

if(i%3==0)

{

sum=sum+i;

}

}

System.out.println(sum);

}

}