package xxx;

import java.util.Scanner;

public class Xxx {

public static double luastabung(double r,double t ){

double lpt;

lpt=(2\*r\*t\*22/7)+(2\*r\*r\*22/7);

return lpt;

}

public static double luasbalok(double p,double l, double t ){

double lpb;

lpb=(2\*p\*l)+(2\*p\*t)+(2\*l\*t);

return lpb;

}

public static double luasbola(double r ){

double lpbl;

lpbl=4\*r\*r\*22/7;

return lpbl;

}

public static double volumetabung(double r,double t ){

double vt;

vt=r\*r\*t\*22/7;

return vt;

}

public static double volumebalok(double p,double l,double t ){

double vb;

vb=p\*l\*t;

return vb;

}

public static double volumebola(double r ){

double vbl;

vbl=4\*r\*r\*r\*22/21;

return vbl;

}

public static void main(String[] args) {

Scanner input=new Scanner(System.in);

int a,b;

double r,t,p,l,tb;

System.out.println("1. Tabung");

System.out.println("2. Balok");

System.out.println("3. Bola");

System.out.print("Pilih nomor : ");

a=input.nextInt();

switch(a){

case 1 :

System.out.println("1. Luas permukaan");

System.out.println("2. Volume");

System.out.print("Pilih nomor : ");

b=input.nextInt();

switch(b){

case 1 :

System.out.print("Jari-jari : ");

r=input.nextDouble();

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

t=input.nextDouble();

double lpt=luastabung(r,t);

System.out.println("Luas Permukaan Tabung : "+lpt);

break;

case 2 :

System.out.print("Jari-jari : ");

r=input.nextDouble();

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

t=input.nextDouble();

double vt=volumetabung(r,t);

System.out.println("Volume Tabung : "+vt);

break;

default :

System.out.println("Error");

}

break;

case 2 :

System.out.println("1. Luas permukaan");

System.out.println("2. Volume");

System.out.print("Pilih nomor : ");

b=input.nextInt();

switch(b){

case 1 :

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

p=input.nextDouble();

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

l=input.nextDouble();

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

tb=input.nextDouble();

double lpb=luasbalok(p,l,tb);

System.out.println("Luas Permukaan Balok : "+lpb);

break;

case 2 :

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

p=input.nextDouble();

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

l=input.nextDouble();

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

tb=input.nextDouble();

double vb=volumebalok(p,l,tb);

System.out.println("Volume Balok : "+vb);

break;

default :

System.out.println("Error");

}

break;

case 3 :

System.out.println("1. Luas permukaan");

System.out.println("2. Volume");

System.out.print("Pilih nomor : ");

b=input.nextInt();

switch(b){

case 1 :

System.out.print("Jari-jari : ");

r=input.nextDouble();

double lpbl=luasbola(r);

System.out.println("Luas Permukaan Bola : "+lpbl);

break;

case 2 :

System.out.print("Jari-jari : ");

r=input.nextDouble();

double vbl=volumebola(r);

System.out.println("Volume Bola : "+vbl);

break;

default :

System.out.println("Error");

}

break;

default :

System.out.println("Error");

}

}

}