

1. Source Code

a. Main.java

```
public class Main {
    public static void main(String[] args)
    {
        Persegi persegi = new Persegi(23);
        Class3D volume_persegi = new
Class3D(persegi.output_luas(), 2);
        System.out.println("=====");
        System.out.println("persegi");
        System.out.println("luas = "+persegi.output_luas());
        System.out.println("=====");
        System.out.println();

        System.out.println("=====");
        Persegi_Panjang persegi_panjang = new
Persegi_Panjang(10,12);
        System.out.println("persegi panjang");
        System.out.println("jari - jari = " +
persegi_panjang.output_luas());
        System.out.println("=====");

        System.out.println();
        System.out.println("=====");
        Lingkaran lingkaran = new Lingkaran(14);
        System.out.println(" lingkaran");
        System.out.println("jari - jari = " +
lingkaran.Output_luas());
        System.out.println("=====");
```

```

        System.out.println();
        System.out.println("=====");
        Segitiga segitiga = new Segitiga(5,5);
        System.out.println(" Segitiga");
        System.out.println("jari - jari = "
+segitiga.output_luas());
        System.out.println("=====");

        System.out.println();
        System.out.println("=====");
        Class3D volume_kubus = new
Class3D(persegi.output_luas(), 2);
        System.out.println(" Kubus");
        volume_kubus.output_volume();
        System.out.println("=====");

        System.out.println();
        System.out.println("=====");
        Class3D volume_balok = new
Class3D(persegi_panjang.output_luas(), 4);
        System.out.println(" Balok");
        volume_balok.output_volume();
        System.out.println("=====");

        System.out.println();
        System.out.println("=====");
        Class3D volume_prisma_segitiga = new
Class3D(segitiga.output_luas(), 2);
        System.out.println(" Prisma Segitiga");
        volume_prisma_segitiga.output_volume();
        System.out.println("=====");

```

```
        System.out.println();
        System.out.println("=====");
        Class3D volume_Tabung = new
Class3D(lingkaran.Output_luas(), 2);
        System.out.println(" Tabung");
        volume_Tabung.output_volume();
        System.out.println("=====");
```

b. Class2D

```
class Persegi
{
    private double sisi;

    public Persegi(double Sisi)
    {
        this.sisi = Sisi;
    }

    double output_luas()
    {
        return this.sisi*this.sisi;
    }

}
```

```
class Lingkaran
{
    private double Diameter;

    public Lingkaran(double diameter)
    {
        this.Diameter = diameter;
    }

    double Output_luas()
    {
        return this.Diameter/2;
    }
}
```

```
class Persegi_Panjang
{
    private double Panjang;
    private double Lebar;

    public Persegi_Panjang(double panjang, double lebar)
    {
```

```
        this.Panjang = panjang;

        this.Lebar = lebar;
    }

    double output_luas()
    {
        return Panjang*Lebar;
    }
}

class Segitiga
{
    private double Alas;
    private double Tinggi;

    public Segitiga(double alas,double tinggi)
    {
        this.Alas = alas;
        this.Tinggi = tinggi;
    }

    double output_luas()
```

```

        {
            return 0.5*this.Alas*this.Tinggi;
        }
    }

    public class Class2D
    {

    }

```

c. Class3D

```

    public class Class3D
    {
        private double Luas;
        private double Tinggi;

        public Class3D(double luas, double tinggi)
        {
            this.Luas=luas;
            this.Tinggi=tinggi;
        }

        void output_volume()
        {
            double proses = this.Luas*this.Tinggi;
            System.out.println("volume = "+proses);
        }
    }

```

}

2. Screenshot

```
=====
persegi
luas = 529.0
=====

=====
persegi panjang
jari - jari = 120.0
=====

=====
lingkaran
jari - jari = 7.0
=====

=====
Segitiga
jari - jari = 12.5
=====

=====
Kubus
volume = 1058.0
=====

=====
Balok
volume = 480.0
=====

=====
Prisma Segitiga
volume = 25.0
=====

=====
Tabung
volume = 14.0
=====
```

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