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Latihan 1

Class Bentuk

```
package Pertemuan_5;

/**
 *
 * @author Wayan Andika
 */
public class Bentuk {
    public String warna;
    public Bentuk() {
        this.warna="Abu-Abu";
    }
    public void setWarna(String Warna) {
        this.warna=Warna;
    }
    public String getWarna() {
        return this.warna;
    }
    public void printInfo() {
        System.out.println("Bentuk warna adalah "+this.warna);
    }
}
```

Class BujurSangkar

```
package Pertemuan_5;

/**
 *
 * @author Wayan Andika
 */
public class BujurSangkar extends Bentuk {
    public double sisi;
    public BujurSangkar(double sisi, String warna) {
        this.sisi=sisi;
        this.warna=warna;
    }
    public double getSisi() {
        return this.sisi;
    }
    public void setSisi(double sisi) {
        this.sisi=sisi;
    }
    public double hitungLuas() {
        return sisi*sisi;
    }
    public void printInfo() {
        System.out.println("Bujur Sangkar berwarna= "+ warna +", dengan luas= "+ hitungLuas());
    }
    public static void main(String[] args) {
        BujurSangkar bj=new BujurSangkar(sisi:10, warna: "Merah");
        bj.setSisi(sisi:20);
        bj.setWarna(warna: "Hijau");
        bj.hitungLuas();
        bj.printInfo();
    }
}
```

Notifications

Output - Run (BujurSangkar) x

[jar]-----

--- resources:3.3.1:resources (default-resources) @ FBO_Pagi ---

skip non existing resourceDirectory C:\Users\dell\Documents\NetBean

--- compiler:3.11.0:compile (default-compile) @ FBO_Pagi ---

Changes detected - recompiling the module! :source

Compiling 16 source files with javac [debug target 17] to target\cl

--- exec:3.1.0:exec (default-cli) @ FBO_Pagi ---

Bujur Sangkar berwarna= Hijau, dengan luas= 400.0

BUILD SUCCESS

Total time: 5.379 s

Finished at: 2023-10-12T22:21:02-07:00

Latihan 2

Class Lingkaran

```
* @author Wayan Andika
*/
public class Lingkaran extends Bentuk{
    public double radius;
    public final double PHI = 3.14;
    public Lingkaran(double radius, String warna){
        this.radius=radius;
        this.warna=warna;
    }
    public double getRadius(){
        return radius;
    }
    public void setRadius(double r){
        this.radius=r;
    }
    public double hitungLuas(){
        return PHI*radius*radius;
    }
    public void printInfo(){
        System.out.println("Hasil Luas Lingkaran adalah= "+hitungLuas()+ ", dengan warna= "+getWarna());
    }
    public static void main(String[] args){
        Lingkaran l=new Lingkaran(radius: 10, warna: "Merah");
        l.printInfo();
        l.setRadius(20);
        l.setWarna("Pink");
        l.printInfo();
    }
}
```

Notifications Output - Run (Lingkaran) X

```
-----[ jar ]-----
--- resources:3.3.1:resources (default-resources) @ PBO_Pagi ---
skip non existing resourceDirectory C:\Users\de11\Documents\NetBeans
--- compiler:3.11.0:compile (default-compile) @ PBO_Pagi ---
Nothing to compile - all classes are up to date
--- exec:3.1.0:exec (default-cli) @ PBO_Pagi ---
Hasil Luas Lingkaran adalah= 314.0, dengan warna= Merah
Hasil Luas Lingkaran adalah= 1256.0, dengan warna= Pink
BUILD SUCCESS
Total time: 2.608 s
Finished at: 2023-10-12T22:21:59-07:00
```

Latihan 3

Class Silinder

```
*/
public class Silinder extends Lingkaran {
    public double tinggi;

    public Silinder(double radius, String warna, double tinggi) {
        super(radius, warna);
        this.tinggi=tinggi;
    }
    public double getTinggi(){
        return tinggi;
    }
    public void setTinggi(double t){
        this.tinggi=t;
    }
    public double hitungVolume(){
        return PHI*radius*radius*tinggi;
    }
    public void printInfo(){
        System.out.println("Silinder warna= "+warna+" volume = "+hitungVolume());
    }
}

public static void main(String[] args){
    Silinder s=new Silinder(radius: 10, warna: "Orange", tinggi: 5);
    s.printInfo();
    s.setTinggi(10);
    s.setRadius(20);
    s.setWarna("Hitam");
    s.printInfo();
}
}
```

Notifications Output - Run (Silinder) X

```
-----[ jar ]-----
--- resources:3.3.1:resources (default-resources) @ PBO_Pagi ---
skip non existing resourceDirectory C:\Users\de11\Documents\NetBeans
--- compiler:3.11.0:compile (default-compile) @ PBO_Pagi ---
Nothing to compile - all classes are up to date
--- exec:3.1.0:exec (default-cli) @ PBO_Pagi ---
Silinder warna= Orange volume = 1570.0
Silinder warna= Hitam volume = 12560.0
BUILD SUCCESS
Total time: 2.795 s
Finished at: 2023-10-12T22:22:54-07:00
```