TUGAS MODUL 6

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1. Class BangunDatar():

```java
/*
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 */

/**
 *
 * @author LABRPL-7
 */
public class BangunDatar {
    double luas;
    double keliling;

    public void hitungLuas(){

    }
    public double hitungKeliling(){
        return keliling;
    }
}
```

2. Class Persegi();

```java
/**
 *
 * @author LABRPL-7
 */
public class Persegi extends BangunDatar{
    double sisi;

    public void hitungLuas(){
        luas = sisi*sisi;
    }
    public double hitungKeliling(){
        keliling = 4 *sisi;
        return keliling;
    }
    public static void main(String[] args){
        Persegi persegi = new Persegi();
        persegi.sisi = 5;
        persegi.hitungLuas();
        System.out.println("Luas Persegi = " + persegi.luas);
        System.out.println("Kelilingnya = " + persegi.hitungKeliling());
    }

}
```

3. Class PersegiPanjang();

```java
/**
 *
 * @author LABRPL-7
 */
public class PersegiPanjang extends BangunDatar{
    int panjang;
    double lebar;

    public void hitungLuas(){
        luas = panjang*lebar;
    }

    public double hitungKeliling(){
        keliling = 2*(panjang+lebar);
        return keliling;
    }

    public static void main(String[] args){
        PersegiPanjang pp = new PersegiPanjang();
        pp.panjang = 10;
        pp.lebar = 7;
        pp.hitungLuas();
        System.out.println("Luas Persegi = " + pp.luas);
        System.out.println("Kelilingnya = " + pp.hitungKeliling());
    }
}
```

4. Class SegiTiga();

```java
/*
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 */

/**
 *
 * @author LABRPL-7
 */
public class Segitiga extends BangunDatar{
    double alas;

    public void hitungLuas(){

    }
    public double hitungKeliling(){
        return keliling;
    }
}
```

5. Class SegiTigaSamaKaki();

```java
/*
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 */

/**
 *
 * @author LABRPL-7
 */
public class SegitigaSamaKaki extends Segitiga{
    double sisiMiring;

    public void hitungLuas(){
        double tinggi = sisiMiring - alas;
        luas = (alas * tinggi)/2;
    }
    public double hitungKeliling(){
        keliling = 2*(sisiMiring+alas);
        return keliling;
    }
    public static void main(String[] args){
        SegitigaSamaKaki sk = new SegitigaSamaKaki();
        sk.sisiMiring = 20;
        sk.alas = 8;
        sk.hitungLuas();
        System.out.println("Luas Segitiga Sama Kaki = " + sk.luas);
        System.out.println("Kelilingnya = " + sk.hitungKeliling());
    }
}
```

6. Class SegiTigaSamaSisi();

```java
/*
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 */

/**
 *
 * @author LABRPL-7
 */
public class SegitigaSamaSisi extends Segitiga{
    double sisi;

    public void hitungLuas(){

    }
    public double hitungKeliling(){
        keliling = 3*sisi;
        return keliling;
    }
    public static void main(String[] args){
        SegitigaSamaSisi s3 = new SegitigaSamaSisi();
        s3.sisi=6;
        s3.hitungLuas();

        System.out.println("Kelilingnya = " + s3.hitungKeliling());
    }
}
```