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Praktikum Modul 9

1. Object Class Abstract

```
8  /**
9  *
10 * @author GL63
11 */
   abstract class AbstrakClass{
13     int a;
14     int b;
15     int c;
16     public AbstrakClass(int a, int b, int c){
17         this.a = a;
18         this.b = b;
19         this.c = c;
20     }
21     public int kali(){
22         return a*b*c;
23     }
24 }
```

```
12 public class TurunanAbstrakClass extends AbstrakClass{
13     int x;
14
15     public TurunanAbstrakClass (int a, int b, int c){
16         super (a,b,c);
17         x = a+b+c;
18     }
19
20     public void printX(){
21         System.out.println(x);
22     }
23 }
24
```

2. Method Abstract

```
public abstract class methodAbstract {
    public abstract double luas();
    public abstract double keliling();
    public abstract double volume();
    public abstract double luasselimut();

    public double getLuas(){
        return luas();
    }
    public double getKeliling(){
        return keliling();
    }
    public double getVolume(){
        return volume();
    }
    public double getLuasSelimut(){
        return luasselimut();
    }
}
```

```
public class MethodMain {
    public static void main(String[]args){
        Persegi psg = new Persegi();
        System.out.println("Persegi \nKeliling ="+psg.getKeliling());
        System.out.println("Luas ="+psg.getLuas());
        Segitiga sg = new Segitiga();
        System.out.println("Segitiga \nKeliling ="+sg.getKeliling());
        System.out.println("Luas ="+sg.getLuas());
        Jajargenjang jg = new Jajargenjang();
        System.out.println("Jajargenjang \nKeliling ="+jg.getKeliling());
        System.out.println("Luas ="+jg.getLuas());
        Lingkaran lk = new Lingkaran();
        System.out.println("Lingkaran \nKeliling ="+lk.getKeliling());
        System.out.println("Luas ="+lk.getLuas());
        Balok bk = new Balok();
        System.out.println("Balok \nVolume ="+bk.getVolume());
        System.out.println("Luas Selimut ="+bk.getLuasSelimut());
        Kubus kb = new Kubus();
        System.out.println("Kubus \nVolume ="+kb.getVolume());
        System.out.println("Luas Selimut ="+kb.getLuasSelimut());
```

3. Latihan

```
12  public class Jajargenjang extends methodAbstract{
13      double alas=2;
14      double tinggi=3;
15      double sisi=4;
16
18      public double luas(){
19          return alas*tinggi;
20      }
21      public double keliling(){
22          return 2*(alas+sisi);
23      }
24      public double volume(){
25          return alas*0;
26      }
27      public double luasselimut(){
28          return alas*0;
29      }
  }
```

```
12  public class Segitiga extends methodAbstra
13      double alas=6;
14      double tinggi=4;
15      double sisimiring=3;
16
18      public double luas(){
19          return alas*tinggi;
20      }
21      public double keliling(){
22          return alas+tinggi+sisimiring;
23      }
24      public double volume(){
25          return alas*0;
26      }
27      public double luasselimut(){
28          return alas*0;
29      }
  }
```

```
12  public class Persegi extends methodAbstract{
13      int sisi=6;
14
15      public double luas(){
16          return sisi*sisi;
17      }
18      public double keliling(){
19          return 4*sisi;
20      }
21      public double volume(){
22          return sisi*0;
23      }
24      public double luasselimut(){
25          return sisi*0;
26      }
27  }
28
```

```
10  * @author GL63
11  */
12  public class Lingkaran extends methodAbstract{
13      double pi=3.14;
14      double r=7;
15
16      public double luas(){
17          return pi*r*r;
18      }
19      public double keliling(){
20          return 2*pi*r;
21      }
22      public double volume(){
23          return pi*0;
24      }
25      public double luasselimut(){
26          return pi*0;
27      }
28  }
```

Method

```
12  public class MethodMain {
13      public static void main(String[]args){
14          Persegi psg = new Persegi();
15          System.out.println("Persegi \nKeliling ="+psg.getKeliling());
16          System.out.println("Luas ="+psg.getLuas());
17          Segitiga sg = new Segitiga();
18          System.out.println("Segitiga \nKeliling ="+sg.getKeliling());
19          System.out.println("Luas ="+sg.getLuas());
20          Jajargenjang jg = new Jajargenjang();
21          System.out.println("Jajargenjang \nKeliling ="+jg.getKeliling());
22          System.out.println("Luas ="+jg.getLuas());
23          Lingkaran lk = new Lingkaran();
24          System.out.println("Lingkaran \nKeliling ="+lk.getKeliling());
25          System.out.println("Luas ="+lk.getLuas());
26          Balok bk = new Balok();
27          System.out.println("Balok \nVolume ="+bk.getVolume());
28          System.out.println("Luas Selimut ="+bk.getLuasSelimut());
29          Kubus kb = new Kubus();
30          System.out.println("Kubus \nVolume ="+kb.getVolume());
31          System.out.println("Luas Selimut ="+kb.getLuasSelimut());
32          Bola bol = new Bola();
33          System.out.println("Bola \nVolume ="+bol.getVolume());
34          System.out.println("Luas Selimut ="+bol.getLuasSelimut());
35          Kerucut kc = new Kerucut();
36          System.out.println("Kerucut \nVolume ="+kc.getVolume());
37          System.out.println("Luas Selimut ="+kc.getLuasSelimut());
38          PrismaSegitiga psgt = new PrismaSegitiga();
39          System.out.println("Kerucut \nVolume ="+psgt.getVolume());
40          System.out.println("Luas Selimut ="+psgt.getLuasSelimut());
41      }
42  }
```

4. Tugas

```
12  public class PrismaSegitiga extends methodAbstract{
13      double aa=12;
14      double ta=7;
15      double sa=4;
16      double tp=7;
17
18      public double luas(){
19          return aa*0;
20      }
21      public double keliling(){
22          return aa*0;
23      }
```

```
11   */
12   public class Balok extends methodAbstract{
13       double panjang=3;
14       double lebar=4;
15       double tinggi=5;
16
17       public double luas(){
18           return panjang*0;
19       }
20       public double keliling(){
21           return panjang*0;
22       }
23       public double volume(){
24           return panjang*lebar*tinggi;
25       }
26       public double luasselimut(){
27           return 2*(lebar*tinggi)+2*(panjang*tinggi)+2*(panjang*lebar);
28       }
29   }
```

```
12   public class Kerucut extends methodAbstract{
13       double r=7;
14       double pi=22/7;
15       double t=4;
16       double s=7;
17
18       public double luas(){
19           return r*0;
20       }
21       public double keliling(){
22           return r*0;
23       }
24       public double volume(){
25           return 1/3*(pi*r*r*t);
26       }
27       public double luasselimut(){
28           return pi*r*s;
29       }
30   }
```

```
11  */
12  public class Kubus extends methodAbstract{
13      double sisi=3;
14
15      public double luas(){
16          return sisi*0;
17      }
18      public double keliling(){
19          return sisi*0;
20      }
21      public double volume(){
22          return 3*sisi;
23      }
24      public double luasselimut(){
25          return 6*sisi;
26      }
27  }
```