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LATIHAN

```
* @author firda
10
1
    public abstract class MethodAbstract {
1
       public abstract int luas ();
1
       public abstract int keliling();
14
15 🖃
       public int getLuas () {
      return luas();
16
17
18 🖃
        public int getKell() {
19
        return keliling();
20
21
         }
    }
22
```

```
9 * @author firda
11
    public class JajarGenjang extends MethodAbstract {
12
       int alas = 10;
int tinggi = 20;
13
         int b = 22;
14
         @Override
15
        public int luas () {
② □
17
18
           return alas*tinggi;
public int keliling() {
    return 2*(alas+b);
}
23
24
```

```
/*
2 | * To change this license header, choose License Headers in Project Properties.
3 | * To change this template file, choose Tools | Templates
4 | * and open the template in the editor.
5 | */
7 - /**
  * @author firda
8
9
public class Lingkaran extends MethodAbstract {
     int pi = 22/7;
2
      int jari = 7;
@Override
public int luas (){
3
4
③ □
6
7
8
3 9
        return pi*jari*jari;
       }
@Override
      public int keliling() {
       return 2*pi+jari;
0
1 2
    }
 6
  7 - /**
  8
 9 * @author firda
 11
      public class PersegiPanjang extends MethodAbstract {
         int panjang = 5;
int lebar = 10;
 12
 13
 14
          @Override
  € 📮
         public int luas () {
           return panjang*lebar;
 16
 17
          @Override
 18
  ⊕r₽
         public int keliling() {
 20 }
             return 2*panjang+lebar;
 22 }
```

```
\begin{bmatrix} 4 \\ 5 \end{bmatrix} , and open the template in the editor.
  6
10 public class Segitiga extends MethodAbstract {
12    int alas = 5;
13    int tinggi = 10;
14    int b = 12;
15    int c = 14;
16    @Override

②    public int luas () {
 3 👨
             public int luas () {
 18
19
              return alas*tinggi/2;
  20
               @Override
  public int keliling() {
 22 }
              return alas+b+c;
 24
       }
 26
```

```
7 - /**
 8
 9
       * @author firda
10
11
      public class MethodMain {
12 📮
          public static void main(String[] args) {
              Segitiga sgt = new Segitiga();
13
14
              JajarGenjang jg = new JajarGenjang();
15
              PersegiPanjang pp = new PersegiPanjang();
 9
              Lingkaran L = new Lingkaran();
              System.out.println("Keliling Segitiga = " + sgt.keliling());
17
18
              System.out.println("Luas Segitiga = " + sgt.luas());
19
              System.out.println("Keliling JajarGenjang = " + jg.keliling());
20
              System.out.println("Luas JajarGenjang = " + jg.luas());
              System.out.println("Keliling PersegiPanjang = " + pp.keliling());
21
              System.out.println("Luas PersegiPanjang = " + pp.luas());
22
              System.out.println("Keliling Lingkaran = " + L.keliling());
23
              System.out.println("Luas Lingkaran = " + L.luas());
24
25
26
27
28
               Output - Module9 (run) ×
\otimes
    Keliling Segitiga = 31
\square
    Luas Segitiga = 25
Keliling JajarGenjang = 64
    Luas JajarGenjang = 200
    Keliling PersegiPanjang = 20
    Luas PersegiPanjang = 50
    Keliling Lingkaran = 13
    Luas Lingkaran = 147
    BUILD SUCCESSFUL (total time: 0 seconds)
```

SOAL BANGUN RUANG

```
\begin{bmatrix} 4 \\ 5 \end{bmatrix} \begin{bmatrix} * \text{ and open the template in the editor.} \\ */ \end{bmatrix}
7 📮 /**
public class Segitiga extends MethodAbstract {
12 int alas = 5;
13 int tinggi = 10;
        int b = 12;
int c = 14;
@Override
14
15
16
◎ 戸
        public int luas () {
        return alas*tinggi/2;
}
@Override
18
19
20
public int keliling() {
return alas+b+c;
24
25
     }
26
```

```
5 - */
   package BangunRuang;
6
7
8 🖵 /**Luas
9
   * @author firda
10
11
   public abstract class MethodAbstract {
1
       public abstract int Volume ();
1
       public abstract int LuasSelimut();
15
      public int getVolume () {
16 🖵
        return Volume();
17
18
19 🖃
        public int getSelimut() {
   return LuasSelimut();
20
21
22
23
24
25
```

```
| */
package BangunRuang;

| /**
| * @author firda
| */
| public class Balok extends MethodAbstract {
| int p = 18; |
| int 1 = 20; |
| int t = 22; |
| @override | public int Volume() {
| return p*1*t; |
| }
| @override | public int LuasSelimut() {
| return 2*(p*1+p*t+1*t); |
| }
| }
| }
```

```
package BangunRuang;

/**

* @author firda

*/

public class Bola extends MethodAbstract {
   int pi = 22/7;
   int jari = 7;

public int Volume() {
     return 4/3*pi*jari*jari;
}

@Override
   public int LuasSelimut() {
     return 4*pi*jari*jari;
}
}
```

```
5 - */
6
   package BangunRuang;
7
8 🖵 /**
9
  * @author firda
.0
.1
.2
   public class Kerucut extends MethodAbstract{
.3
       int t = 50;
4
        int pi = 22/7;
.5
        int jari = 7;
.6
        int s = 40;
.7
.8
        @Override
© 📮
         public int Volume(){
20
         return (pi*jari*jari*t)*1/3;
21
22
         @Override
 = 
         public int LuasSelimut() {
24
        return pi*jari*s;
25
26
27
28
   }
19
utput - Module9 (run) X
  Keliling Segitiga = 31
```

```
\begin{bmatrix} 4 \\ 5 \end{bmatrix} \begin{bmatrix} * \text{ and open the template in the editor.} \\ */ \end{bmatrix}
    package BangunRuang;
6
7
8 🖵 /**
   *
* @author firda
*/
9
10
11
12
    public class Kubus extends MethodAbstract{
       int s = 10;
         @Override
② □
          public int Volume() {
   [ <sub>}</sub>
16
          return s*s*s;
17
          @Override
18
          public int LuasSelimut() {
    return 6*(s*s);
② □
20
21
22
23
     }
24
```

```
4 * and open the template in the editor.
     package BangunRuang;
 8 - /**
 9
 10 | * @author firda
     public class PrismaSegitiga {
 12
       int a = 10;
 13
         int t = 20;
 14
         int tprisma =40;
 15
 16
 17
        public int Volume() {
 18 🖃
 19
          return a*t/2*tprisma;
 20
 21 public int LuasSelimut() {
 22
          return t*(a+(3*tprisma));
 23
 24
 25
     }
```

```
^{\circ} and open the temptate in the editor. ^{*/}
5
     package BangunRuang;
6
7
8 - /**
9
      * @author firda
10
11
12
     public class MethodMain {
13 📮
         public static void main(String[] args) {
14
             Balok blk = new Balok();
15
             Bola bla = new Bola();
16
             Kerucut krc = new Kerucut();
             Kubus kbs = new Kubus();
17
18
              PrismaSegitiga ps = new PrismaSegitiga();
19
20
             System.out.println("Volume Balok = " + blk.Volume());
21
              System.out.println("LuasPermukaan Balok = " + blk.LuasSelimut());
              System.out.println("Volume Bola = " + bla.Volume());
22
              System.out.println("LuasPermukaan Bola = " + bla.LuasSelimut());
23
              System.out.println("Volume Kerucut = " + krc.Volume());
24
              System.out.println("LuasPermukaan Kerucut = " + krc.LuasSelimut());
25
26
              System.out.println("Volume Kubus = " + kbs.Volume());
27
              System.out.println("Luas Permukaankubus = " + kbs.LuasSelimut());
              System.out.println("Volume PrismaSegitiga = " + ps.Volume());
28
29
              System.out.println("Luas Permukaan PrismaSegitiga = " + ps.LuasSelimut());
30
31
32
```

```
🕜 BangunRuang.MethodMain 🔪 🌗 main 🗦
Output - Module9 (run) X
\square
     Volume Balok = 7920
LuasPermukaan Balok = 2392
Volume Bola = 147
     LuasPermukaan Bola = 588
     Volume Kerucut = 2450
     LuasPermukaan Kerucut = 840
     Volume Kubus = 1000
     Luas Permukaankubus = 600
     Volume PrismaSegitiga = 4000
     Luas Permukaan PrismaSegitiga = 2600
     BUILD SUCCESSFUL (total time: 0 seconds)
```