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IF4507

Koordinat.java

```
5
     package tp07;
7 🖵 /**
8
9
     * @author ASUS
10 4/
   public class Koordinat {
0
12
   private int x,y;
13 🖃
       public Koordinat(int x, int y) {
14
         this.x = x;
           this.y = y;
15
16
17
18 📮
        public int getX() {
19
        return x;
20
21
22 🖵
        public int getY() {
23
        return y;
24
25
       public void setX(int x) {
26 🖃
27
        this.x = x;
28
29
30 🖃
        public void setY(int y) {
31
        this.y = y;
32
        }
33
   }
```

Koordinat3D.java

```
5 package tp07;
6
7 - /**
    *
     * @author ASUS
9
10
    public class Koordinat3D extends Koordinat{
11
      private int z;
12
13 📮
        public Koordinat3D(int x, int y, int z) {
14
           super(x, y);
15
           this.z = z;
16
        }
17 🖃
        public int getZ() {
        return z;
18
19
20
21 =
        public void setZ(int z) {
   this.z = z;
22
23
     }
   }
24
```

Serangga.java

```
package tp07;
6
7 - /**
8
     * @author ASUS
9
   L */
10
public abstract class Serangga {
       private final int jmlKaki;
12
13 =
         public String getWarna() {
14
         return warna;
15
16
17 -
         public void setWarna(String warna) {
         this.warna = warna;
18
19
20
         private String warna;
21 🖃
         public Serangga(String color) {
           warna = color;
22
            jmlKaki=6;
23
24
25
1
         public abstract void gerak(int[] axis);
27 =
         public int getJmlKaki() {
28
         return jmlKaki;
29
1
         public abstract void info();
31
```

Semut.java

```
5
    package tp07;
 6
   - /**
 7
 8
      * @author ASUS
 9
   L */
10
      public class Semut extends Serangga {
11
         private Koordinat posisi;
12
13 -
         public Semut(String warna, int x, int y) {
             super (color: warna);
14
             posisi = new Koordinat(x,y);
15
16
₩. =
         public void gerak(int[] axis) {
              posisi = new Koordinat(axis[0], axis[1]);
18
19
Q.↓ =
         public void info() {
         System.out.println("Posisi Semut :\tX ="+ posisi.getX());
9
22
             System.out.println("\t\tY= "+posisi.getY());
23
24
    }
```

Lebah.java

```
5
     package tp07;
  7 - /**
  8
        * @author ASUS
  9
 10
 11
       public class Lebah extends Serangga implements BisaTerbang{
 12
         Koordinat3D posisi;
 13 -
           public Lebah(String color, int x, int y, int z) {
 14
              super(color);
 15
               posisi = new Koordinat3D(x,y,z);
 16
 17
 9. ₽
           public void gerak(int [] axis) {
 19
           posisi= new Koordinat3D(axis[0], axis[1], axis[2]);
 20
 21
 Q.↓ □
           public void info() {
 23
              System.out.println("Posisi Lebah :\tX ="+posisi.getX());
 2.4
              System.out.println("\t\tY ="+posisi.getY());
 25
              System.out.println(x: "\t\tY =+posisi.getZ()");
 26
 27
 Q.↓ □
           public void terbang(int x, int y, int z) {
           posisi = new Koordinat3D(x+posisi.getX(), y+posisi.getY(), z+posisi.getZ());
 29
 30
 31
```

BisaTerbang.java

```
package tp07;

package tp07;

/**

description of the problem of the problem
```

Main.java

```
5
    package tp07;
 6
7 - /**
8
9
      * @author ASUS
     */
10
    public class TP07 {
11
12
         public static void main(String[] args) {
13 =
14
              Semut S = new Semut(warna: "hitam", x: 60, y: 80);
15
             System.out.println("Warna Semut: " + S.getWarna());
16
             S.info();
             S.gerak(new int[]{70, 90});
17
18
              S.info();
19
              Lebah L = new Lebah (color: "Kuning", x: 20, y: 30, z: 40);
20
              System.out.println("Warna Lebah: " + S.getWarna());
21
              L.info();
22
              L.terbang(x: 55, y: 65, z: 75);
23
              L.info();
24
             L.gerak(new int[]{25, 35, 45});
25
              L.info();
26
```



run:







Warna Semut: hitam

Posisi Semut : X =60

Y= 80

Posisi Semut : X =70

Y= 90

Warna Lebah: hitam

Posisi Lebah : X =20

A = 30

Y =+posisi.getZ()

Posisi Lebah : X =75

Y =95

Y =+posisi.getZ()

Posisi Lebah : X =25

Y =35

Y =+posisi.getZ()

BUILD SUCCESSFUL (total time: 0 seconds)