TUGAS 1

Class Bayaran

```java
/*
 * To change this license header, choose License Headers in Project Properties.
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 * and open the template in the editor.
 */
package Tugas1;

/**
 *
 * @author ddiko
 */
public class Bayaran {

    public int hitungBayaran(Pegawai pg) {
        int uang = pg.getGaji();
        if (pg instanceof Manajer) {
            uang += ((Manajer) pg).getTunjangan();
        } else if (pg instanceof Programmer) {
            uang += ((Programmer) pg).getBonus();
        }
        return uang;
    }
}
```

Class manajer

```java
/*
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 */
package Tugas1;

/**
 *
 * @author ddiko
 */
public class Manajer extends Pegawai {

    private int tunjangan;

    public Manajer(String nama, int gaji, int tunjangan) {
        super(nama, gaji);
        this.tunjangan = tunjangan;
    }

    public int getTunjangan() {
        return tunjangan;
    }

    public int getGaji() {
        return super.getGaji();
    }

}
```

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MATKUL : PBO- (Pertemuan 11)

Class bayaran

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 */
package Tugas1;

/**
 *
 * @author ddiko
 */
public class Pegawai {

    protected String nama;
    protected int gaji;

    public Pegawai() {
    }

    public Pegawai(String nama, int gaji) {
        this.nama = nama;
        this.gaji = gaji;
    }

    public int getGaji() {
        return gaji;
    }

}
```

Class programmer

```java
/*
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 */
package Tugas1;

/**
 *
 * @author ddiko
 */
public class Programmer extends Pegawai {

    private int bonus;

    public Programmer(String nama, int gaji, int bonus) {
        super(nama, gaji);
        this.bonus = bonus;
    }

    public int getBonus() {
        return bonus;
    }

    public int getGaji() {
        return super.getGaji();
    }

}
```

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Main test bayaran

```java
/*
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 */
package Tugas1;

/**
 *
 * @author ddiko
 */
public class MainBayaran {

    public static void main(String[] args) {

        Manajer man = new Manajer("Agus", 800, 50);
        Programmer prog = new Programmer("Budi", 600, 30);
        Bayaran hr = new Bayaran();

        System.out.println(
                "Bayaran Manajer : " + hr.hitungBayaran(man));
        System.out.println(
                "Bayaran Programmer : " + hr.hitungBayaran(prog));
    }
}
```

Output

```
run:
Bayaran Manajer : 850
Bayaran Programmer : 630
BUILD SUCCESSFUL (total time: 0 seconds)
```

Tugas 2

Class elektronik

```java
/*
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 */
package Tugas2;

/**
 *
 * @author ddiko
 */
public class Elektronik {

    protected int voltase;

    public Elektronik() {
        this.voltase = 220;
    }

    public int getVoltase() {
        return voltase;
    }

}
```

Class manusia

```java
/*
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 */
package Tugas2;

/**
 *
 * @author ddiko
 */
public class Manusia {

    public void nyalakanPerangkat(Elektronik pkt) {
        String info1 = "Nyalakan televisi ";
        String info2 = " dengan Input: ";
        String info3 = "\nVoltase televisi: ";
        if (pkt instanceof TVjadul) {
            info1 += "jadul";
            info2 += ((TVjadul) pkt).getModelInput();
            info3 += ((TVjadul) pkt).getVoltase();
        } else if (pkt instanceof TVModern) {
            info1 += "modern";
            info2 += ((TVModern) pkt).getModelInput();
            info3 += ((TVModern) pkt).getVoltase();
        }
        System.out.println(info1 + info2 + info3);
    }
}
```

Class tv modern

```java
/*
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 */
package Tugas2;

/**
 *
 * @author ddiko
 */
public class TVModern extends Elektronik{
    private String modelInput;

    public TVModern() {
        this.modelInput="HDMI";
    }

    public String getModelInput() {
        return modelInput;
    }
}
```

Class tv jadul

```java
/*
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 */
package Tugas2;

/**
 *
 * @author ddiko
 */
public class TVjadul extends Elektronik {

    private String modelInput;

    public TVjadul() {
        this.modelInput = "DVI";
    }

    public String getModelInput() {
        return modelInput;
    }
}
```

Main test elektronik

Output