



Jurusan Teknologi Informasi Politeknik Negeri Malang

PPT 9

Mata Kuliah Pemrograman Berbasis Objek

Pengampu: Tim Ajar Desain dan Pemrograman Web

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LEMBAR JAWABAN EXERCISE 1

Soal No	Jawaban
1	<pre>public class Pegawai { protected String nama; protected int gaji; public Pegawai() { } public Pegawai(String nama, int gaji) { this.nama = nama; this.gaji = gaji; } Codeium: Refactor Explain Generate Javadoc ✕ public int getGaji() { return gaji; } }</pre>



2

```
public class Manajer extends Pegawai {
    private int tunjangan;

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

    Codeium: Refactor | Explain | Generate Javadoc | X
    @Override
    public int getGaji() {
        return super.getGaji();
    }

    Codeium: Refactor | Explain | Generate Javadoc | X
    public int getTunjangan() {
        return tunjangan;
    }
}
```

3

```
public class Programmer extends Pegawai {
    private int bonus;

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

    Codeium: Refactor | Explain | Generate Javadoc | X
    @Override
    public int getGaji() {
        return super.getGaji();
    }

    Codeium: Refactor | Explain | Generate Javadoc | X
    public int getBonus() {
        return bonus;
    }
}
```



4	<pre>public class Bayaran { Codeium: Refactor Explain Generate Javadoc X 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; } }</pre>
5	<pre>public class TestBayaran { Run Debug Codeium: Refactor Explain Generate Javadoc X public static void main(String[] args) { Manajer man = new Manajer(nama:"agus", gaji:800, tunjangan:50); Programmer prog = new Programmer(nama:"budi", gaji:600, bonus:30); Bayaran hr = new Bayaran(); System.out.println("Bayaran manager: " + hr.hitungBayaran(man)); System.out.println("Bayaran programmer: " + hr.hitungBayaran(prog)); } }</pre>
6	<p>Output :</p> <pre>Bayaran manager: 850 Bayaran programmer: 630</pre>



LEMBAR JAWABAN EXERCISE 2

Soal No	Jawaban
1	<pre>public class Elektronik { protected int voltase; public Elektronik(int voltase) { this.voltase = voltase; } Codeium: Refactor Explain Generate Javadoc X public int getVoltase() { return voltase; } }</pre>
2	<pre>public class TelevisiJadul extends Elektronik { private String modelInput; public TelevisiJadul(int voltase, String modelInput) { super(voltase); this.modelInput = modelInput; } Codeium: Refactor Explain Generate Javadoc X public String getModelInput() { return modelInput; } }</pre>



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3	<pre>public class TelevisiModern extends Elektronik { private String modelInput; public TelevisiModern(int voltase, String modelInput) { super(voltase); this.modelInput = modelInput; } Codeium: Refactor Explain Generate Javadoc X public String getModelInput() { return modelInput; } }</pre>
4	<pre>public class Manusia { Codeium: Refactor Explain Generate Javadoc X public void nyalakanPerangkat(Elektronik perangkat) { if (perangkat instanceof TelevisiJadul) { System.out.println("Nyalakan televisi dengan input : " + ((TelevisiJadul) perangkat).getModelInput()); System.out.println("Voltase Televisi: " + ((TelevisiJadul) perangkat).getVoltase()); } else if (perangkat instanceof TelevisiModern) { System.out.println("Nyalakan televisi dengan input : " + ((TelevisiModern) perangkat).getModelInput()); System.out.println("Voltase Televisi: " + ((TelevisiModern) perangkat).getVoltase()); } } }</pre>
5	<pre>public class TestElektronik { Run Debug Codeium: Refactor Explain Generate Javadoc X public static void main(String[] args) { Manusia indro = new Manusia(); TelevisiJadul tvjadul = new TelevisiJadul(voltase:220, modelInput:"DVI"); TelevisiModern tvmodern = new TelevisiModern(voltase:220, modelInput:"HDMI"); indro.nyalakanPerangkat(tvjadul); indro.nyalakanPerangkat(tvmodern); } }</pre>
6	Output :



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<pre>Nyalakan televisi dengan input : DVI Voltase Televisi: 220 Nyalakan televisi dengan input : HDMI Voltase Televisi: 220</pre>
