LAPORAN PRAKTIKUM
PEMROGRAMAN BERORIENTASI OBJEK
(Dosen Pengampu: *Dede Husen, M.Kom*)

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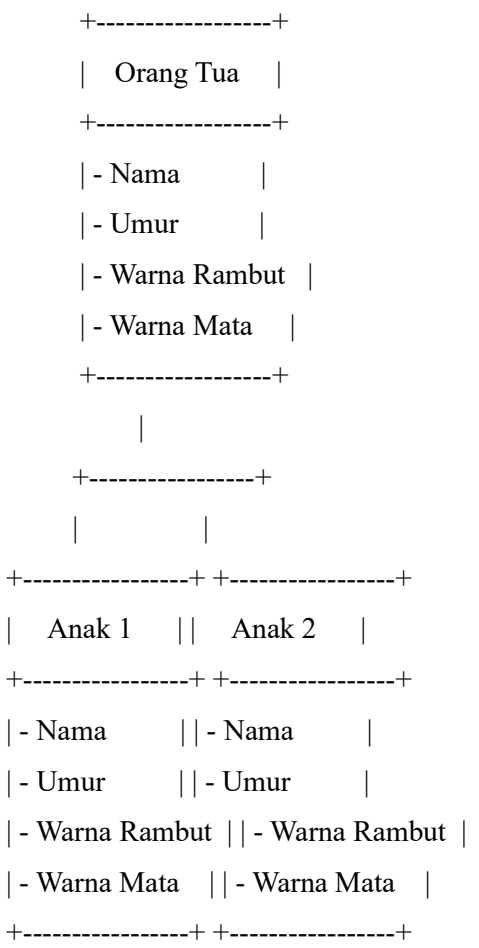
PRETEST

1. Gambarkan contoh diagram inheritance dalam kehidupan sehari-hari!



PRAKTIKUM1

```
package com.example;


public class Person {
    private String Nama;
    private String Alamat;
    private int Umur;
    public  Person(){
    }
    public Person (String Nama, String Alamat, int Umur){
```

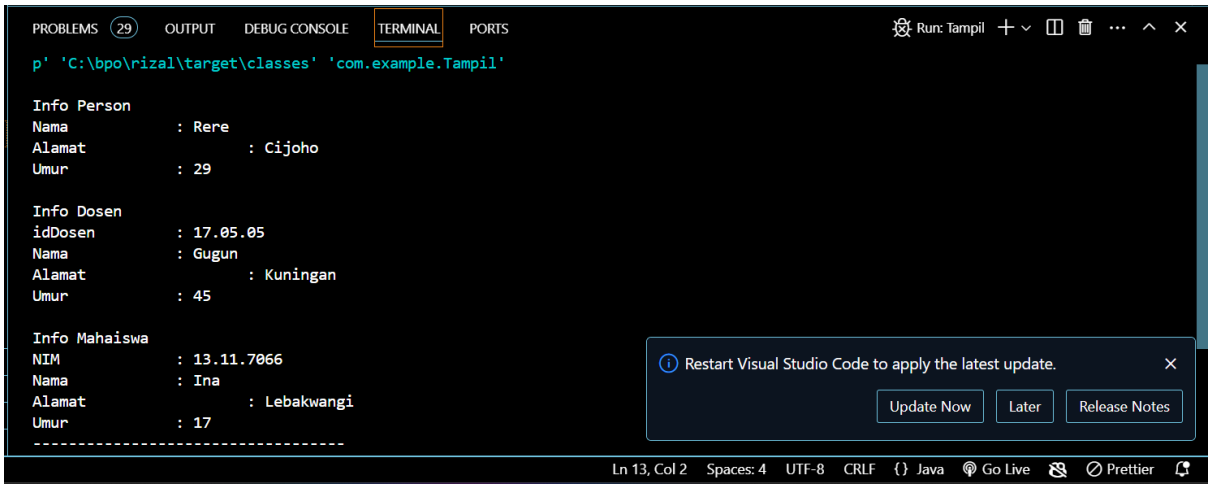
```
        this.Nama = Nama;
        this.Alamat = Alamat;
        this.Umur = Umur;}
        public String getNama(){
           return Nama;}
        public String getAlamat(){
           return Alamat;}
        public int getUmur(){
           return Umur;}
        public void setNama (String Nama){
           this.Nama = Nama;}
        public void setAlamat (String Alamat){
           this.Alamat = Alamat;}
        public void setUmur (int Umur){
           this.Umur = Umur;}
           public void infoPerson(){
              System.out.println("\nInfo Person");
              System.out.println("Nama\t\t: "+ getNama());
              System.out.println("Alamat\t\t\t: "+ getAlamat());
              System.out.println("Umur\t\t: "+ getUmur());
           }
}

package com.example;
```

```
public class Dosen extends Person {
    private String idDosen;
    public Dosen()
    {
    }
    public Dosen (String Nama, String Alamat, int Umur, String idDosen){
        super (Nama, Alamat, Umur);
        this.idDosen = idDosen;
    }
    public String getIdDosen()
    {
        return idDosen;
    }
    public void setIdDosen(String idDosen)
    {
        this.idDosen = idDosen;
    }
    public void infoDosen()
    {
        System.out.println("\nInfo Dosen");
        System.out.println("idDosen\t\t: "+getIdDosen());
        System.out.println("Nama\t\t: "+getNama());
        System.out.println("Alamat\t\t\t: "+getAlamat());
        System.out.println("Umur\t\t: "+getUmur());
    }
```

```
}
```

```
package com.example;


public class Mahasiswa extends Person{
    private String NIM;
    public Mahasiswa()
    {
    }
    public Mahasiswa(String Nama, String Alamat, int Umur, String NIM)
    {
        super(Nama, Alamat, Umur);
        this.NIM = NIM;
    }
    public String getNIM()
    {
        return NIM;
    }
    public void setNIM(String NIM)
    {
        this.NIM = NIM;
    }
    public void infoMahasiswa()
    {
        System.out.println("\nInfo Mahaiswa");
        System.out.println("NIM\t\t: "+getNIM());
```

```
        System.out.println("Nama\t\t: "+getNama());
        System.out.println("Alamat\t\t\t: "+getAlamat());
        System.out.println("Umur\t\t: "+getUmur());
    }
}
package com.example;


public class Tampil {
    public static void main(String[] asdasd) {
        Person a = new Person ("Rere","Cijoho", 29);
        a.infoPerson();
        Dosen b = new Dosen ("Gugun","Kuningan",45,"17.05.05");
        b.infoDosen();
        Mahasiswa c = new Mahasiswa("Ina","Lebakwangi",17,"13.11.7066");
        c.infoMahasiswa();
        System.out.println("-----------------------------------");
    }
}
```



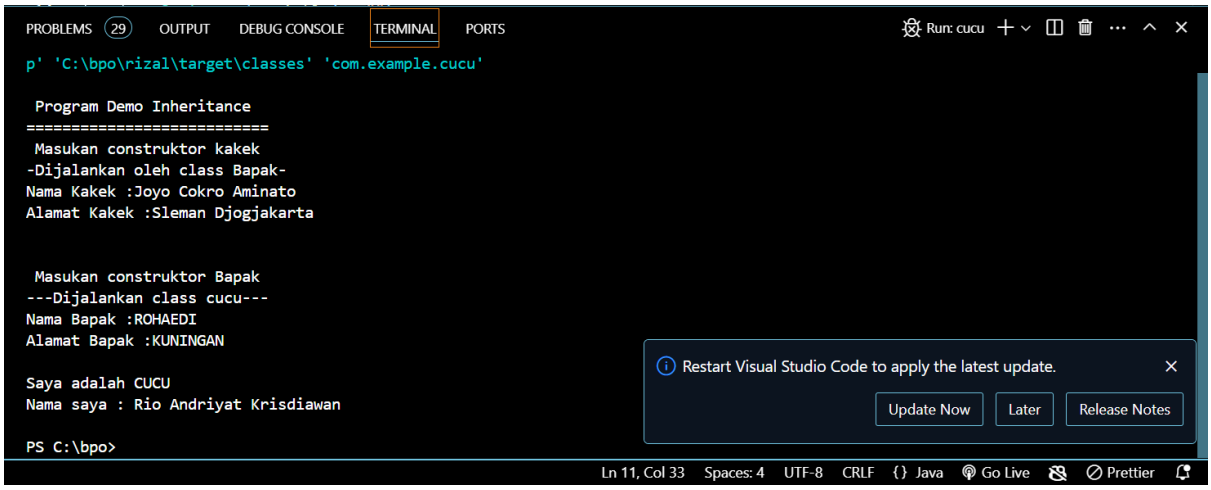
PRAKTIKUM2

```
package com.example;


public class kakek {
    protected String namekakek;
    protected String address;

    public kakek() {
        System.out.println("\n Program Demo Inheritance");
        System.out.println("============================");
        System.out.println(" Masukan construktor kakek ");
        System.out.println("-Dijalankan oleh class Bapak-");
        namekakek = "Joyo Cokro Aminato";
        address = "Sleman Djogjakarta";
    }

    public kakek(String namekakek, String address) {
        this.namekakek = namekakek;
        this.address = address;
    }

    public String getName() {
        return namekakek;
    }
```

```
    public String getAddress() {
        return address;
    }
}
package com.example;

public class bapak extends kakek {
    protected String namebapak;
    protected String addressbapak;

    public bapak() {
        System.out.println("Nama Kakek :" + namekakek);
        System.out.println("Alamat Kakek :" + address);
        System.out.println("\n");
        System.out.println(" Masukan construktor Bapak ");
        System.out.println("---Dijalankan class cucu---");
        namebapak = "ROHAEDI";
        addressbapak = "KUNINGAN";
    }

    public bapak(String namebapak, String addressbapak) {
        this.namebapak = namebapak;
        this.addressbapak = addressbapak;
    }
```

```
    public String getNama() {
        return namebapak;
    }

    public String getAddress() {
        return addressbapak;
    }

    public static void main(String[] args) {
        bapak sari = new bapak();
    }
}
package com.example;

public class cucu extends bapak {
    public cucu() {
        System.out.println("Nama Bapak :" + namebapak);
        System.out.println("Alamat Bapak :" + addressbapak);
    }

    public static void main(String[] args) {
        String namacucu;
        cucu lagan = new cucu();
        System.out.println("\nSaya adalah CUCU");
        System.out.println("Nama saya : Rio Andriyat Krisdiawan");
```

```
        System.out.println("");
    }
}
```



POSTTEST

1. Buatlah program Inheritance dengan case studi yang berbeda dari praktikum diatas.

```
package com.example;


public class Kendaraan {
    private String Merk;
    private String Warna;
    private String Seri;

    public Kendaraan() {
    }

    public Kendaraan(String Merk, String Warna, String Seri) {
        this.Merk = Merk;
        this.Warna = Warna;
```

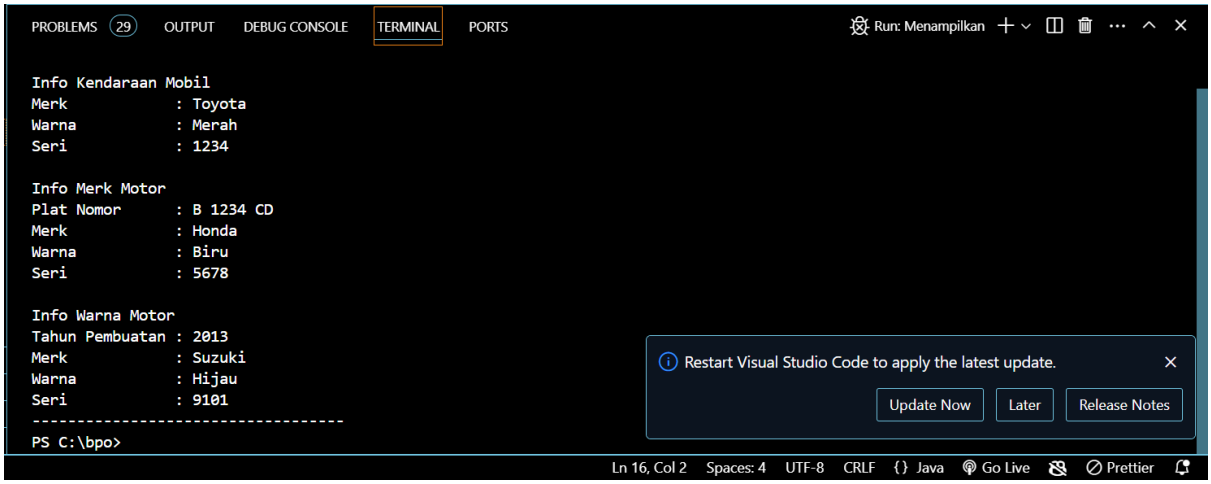
```
    this.Seri = Seri;
}

public String getMerk() {
    return Merk;
}

public String getWarna() {
    return Warna;
}

public String getSeri() {
    return Seri;
}

public void setMerk(String Merk) {
    this.Merk = Merk;
}

public void setWarna(String Warna) {
    this.Warna = Warna;
}

public void setSeri(String Seri) {
    this.Seri = Seri;
```

```
    }

    public void infoKendaraanMobil() {
        System.out.println("\nInfo Kendaraan Mobil");
        System.out.println("Merk\t\t: " + getMerk());
        System.out.println("Warna\t\t: " + getWarna());
        System.out.println("Seri\t\t: " + getSeri());
    }
}
package com.example;

public class Merk extends Kendaraan {
    private String platNomor;

    public Merk() {
    }

    public Merk(String Merk, String Warna, String Seri, String platNomor) {
        super(Merk, Warna, Seri);
        this.platNomor = platNomor;
    }

    public String getPlatNomor() {
        return platNomor;
    }
```

```
    public void setPlatNomor(String platNomor) {
        this.platNomor = platNomor;
    }

    public void infoMerkMotor() {
        System.out.println("\nInfo Merk Motor");
        System.out.println("Plat Nomor\t: " + getPlatNomor());
        System.out.println("Merk\t\t: " + getMerk());
        System.out.println("Warna\t\t: " + getWarna());
        System.out.println("Seri\t\t: " + getSeri());
    }
}
package com.example;

public class Warna extends Kendaraan {
    private int tahunPembuatan;

    public Warna() {
    }

    public Warna(String Merk, String Warna, String Seri, int tahunPembuatan) {
        super(Merk, Warna, Seri);
        this.tahunPembuatan = tahunPembuatan;
    }
```

```
    public int getTahunPembuatan() {
        return tahunPembuatan;
    }

    public void setTahunPembuatan(int tahunPembuatan) {
        this.tahunPembuatan = tahunPembuatan;
    }

    public void infoWarnaMotor() {
        System.out.println("\nInfo Warna Motor");
        System.out.println("Tahun Pembuatan\t: " + getTahunPembuatan());
        System.out.println("Merk\t\t: " + getMerk());
        System.out.println("Warna\t\t: " + getWarna());
        System.out.println("Seri\t\t: " + getSeri());
    }
}
package com.example;

public class Menampilkan {
    public static void main(String[] args) {
        Kendaraan a = new Kendaraan("Toyota", "Merah", "1234");
        a.infoKendaraanMobil();

        Merk b = new Merk("Honda", "Biru", "5678", "B 1234 CD");
```

```
        b.infoMerkMotor();


        Warna c = new Warna("Suzuki", "Hijau", "9101", 2013);
        c.infoWarnaMotor();


        System.out.println("-----------------------------------");
    }
}
```



TUGAS INDIVIDU UNTUK MINGGU DEPAN

1. Modifikasi Program Praktikum 2, sehingga terdapat sub class cicit.

```
package com.example;

public class kakek {
    protected String namekakek;
    protected String address;

    public kakek() {
        System.out.println("\n Program Demo Inheritance");
        System.out.println("============================");
        System.out.println(" Masukan construktor kakek ");
        System.out.println("-Dijalankan oleh class Bapak-");
        namekakek = "Joyo Cokro Aminato";
```

```
        address = "Sleman Djogjakarta";
    }

    public kakek(String namekakek, String address) {
        this.namekakek = namekakek;
        this.address = address;
    }

    public String getName() {
        return namekakek;
    }

    public String getAddress() {
        return address;
    }
}
package com.example;

public class bapak extends kakek {
    protected String namebapak;
    protected String addressbapak;

    public bapak() {
        System.out.println("Nama Kakek :" + namekakek);
        System.out.println("Alamat Kakek :" + address);
        System.out.println("\n");
        System.out.println(" Masukan construktor Bapak ");
        System.out.println("---Dijalankan class cucu---");
        namebapak = "ROHAEDI";
        addressbapak = "KUNINGAN";
    }

    public bapak(String namebapak, String addressbapak) {
        this.namebapak = namebapak;
        this.addressbapak = addressbapak;
    }
```

```
    public String getNama() {
        return namebapak;
    }

    public String getAddress() {
        return addressbapak;
    }

    public static void main(String[] args) {
        bapak sari = new bapak();
    }
}
package com.example;

public class cucu extends bapak {
    public cucu() {
        System.out.println("Nama Bapak :" + namebapak);
        System.out.println("Alamat Bapak :" + addressbapak);
    }

    public static void main(String[] args) {
        String namacucu;
        cucu lagan = new cucu();
        System.out.println("\nSaya adalah CUCU");
        System.out.println("Nama saya : Rio Andriyat Krisdiawan");
        System.out.println("");
    }
}
package com.example;

public class cicit extends cucu {
    public cicit() {
        super();
        System.out.println("Nama Bapak :" + namebapak);
        System.out.println("Alamat Bapak :" + addressbapak);
```

```
    }

    public static void main(String[] args) {
        cicit generasi = new cicit();
        System.out.println("\nSaya adalah CICIT");
        System.out.println("Nama saya : Sudarsono");
        System.out.println("");
    }
}
```