

PRAKTIKUM-INHERITANCE

MIFTAHUL ULUM

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TI21G

```
public class A {  
    String var_a = "Variabel A";  
    String var_b = "Variabel B";  
    String var_c = "Variabel C";  
    String var_d = "Variabel D";  
    A(){  
        System.out.println("Konstruktor A dijalankan");  
    }  
  
}
```

```
public class Anak extends Bapak {  
    int c;  
    void show_variabel(){  
        System.out.println("Nilai a="+ a);  
        System.out.println("Nilai b="+ b);  
        System.out.println("Nilai c="+ c);  
    }  
}
```

```
public class B extends A {  
    B(){
```

```

        System.out.println("Konstruktor B dijalankan");
        var_a = "Var_a dari class B";
        var_b = "Var_b dari class B";
    }
    public static void main(String args[]){
        System.out.println("Object A dibuat");
        A aa= new A();
        System.out.println("menampilkan nama variabel obyek aa");
        System.out.println("aa.var_a");
        System.out.println("aa.var_b");
        System.out.println("aa.var_c");
        System.out.println("aa.var_d");
        System.out.println("");

        System.out.println("Object B dibuat");
        B bb= new B();
        System.out.println("menampilkan nama variabel obyek bb");
        System.out.println("bb.var_a");
        System.out.println("bb.var_b");
        System.out.println("bb.var_c");
        System.out.println("bb.var_d");

    }
}

```

```

public class Baby extends Parent {
    String babyName;

```

```
Baby(String babyName){  
    super();  
    this.babyName = babyName;  
    System.out.println("Konstruktor Baby");  
    System.out.println(babyName);  
}  
public void Cry(){  
    System.out.println("Owek owek");  
}  
}
```

```
public class Bapak {  
    int a;  
    int b;  
    void show_variable(){  
        System.out.println("Nilai a="+ a);  
        System.out.println("Nilai b="+ b);  
    }  
}
```

```
public class child extends Parentt{  
    int x;  
    public child(){  
        x = 5;  
    }  
}
```

```
}
```

```
public class childd extends Parentttt{  
    public int x = 10;  
    public void info(int x){  
        System.out.println("Nilai x sebagai parameter = " + x);  
        System.out.println("Data member x di Class childd = "+this.x);  
        System.out.println("Data member x di Class Parentttt = "+super.x);  
    }  
}  
}
```

```
import java.util.Date;
```

```
public class Employee {  
    private static final double BASE_SALARY = 15000.00;  
    private String Name = "";  
    private double Salary = 0.0;  
    private Date birthDate;  
  
    public Employee(){}  
    public Employee(String name, double salary, Date DoB){
```

```

        this.Name=name;

        this.Salary=salary;

        this.birthDate=DoB;
    }

    public Employee(String name, double salary){
        this(name,salary,null);
    }

    public Employee(String name, Date DoB){
        this(name,BASE_SALARY,DoB);
    }

    public Employee(String name){
        this(name,BASE_SALARY);
    }

    public String GetName(){return Name;}

    public double GetSalary(){return Salary;}
}

```

```

public class HappyObject extends MoodyObject {

    @Override
    protected String getMood(){
        return"happy";
    }

    @Override
    public void laugh(){
        System.out.println("Hahahaha");
    }
}

```

```

public class Manager extends Employee{
    //tambahan atribut untuk kelas manager
    private String department;

    public Manager (String name,double salary,String dept){
        super(name,salary);
        department=dept;
    }
    public Manager(String n,String dept){
        super(n);
        department=dept;
    }
    public Manager(String dept){
        super();
        department=dept;
    }
    public String GetDept(){
        return department;
    }
}

```

```

public class MoodyObject {
    protected String getMood(){

```

```
        return "moody";
    }
    public void speak(){
        System.out.println("I am "+getMood());
    }
    void laugh(){}
    void cry(){}
}
```

```
public class MoodyTest {
    public static void main(String[] args){
        MoodyObject m = new MoodyObject();
        //test parent class
        m.speak();
        //test inheritance class
        m = new HappyObject();
        m.speak();
        m.cry();

        //test inheritance class
        m = new SadObject();
        m.speak();
        m.cry();
    }
}
```

```
public class NilaiX{  
    public static void main(String args[]){  
        childd tes = new childd();  
        tes.info(20);  
    }  
}
```

```
public class Parent {  
    String parentName;  
    Parent(){  
    }  
    Parent (String parentName){  
        this.parentName = parentName;  
        System.out.println("Konstruktor parent");  
    }  
}
```

```
public class SadObject extends MoodyObject {  
    @Override  
    protected String getMood(){  
        return "sad";  
    }  
    @Override  
    public void cry(){  
        System.out.println("Hoo hoo");  
    }  
}
```



```
}  
}
```

```
public class TestManager {  
    public static void main(String[] args){  
        Manager Utama = new Manager("Jhon",5000000,"Financial");  
        System.out.println("Name:"+ Utama.GetName());  
        System.out.println("Salary:"+ Utama.GetSalary());  
        System.out.println("Department:"+ Utama.GetDept());  
  
        Utama = new Manager("Michael", "Accounting");  
        System.out.println("Name:"+ Utama.GetName());  
        System.out.println("Salary:"+ Utama.GetSalary());  
        System.out.println(Utama.GetDept()+ "Department:");  
  
    }  
}
```

```
public class Pegawai {  
    String nama;  
    public double gaji;  
}
```

