Tugas Pratikum PBO

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Percobaan 1

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

Solusi : Membuat kelas NilaiX karena kelas NlaiX mewarikan Kelas dari Parent

Percobaan ke 2

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

Solusi : Mengubah atribut private menjadi public

Percobaan ke 3

```
class Child extends Parent {
    int x;
    public Child (){
        x = 5;
    }
}
```

Solusi : Membuat kelas Parent dan Menghapus public pada class Child

Peercobaan ke 4

```
public class Employee {
    public static final double BASE_SALARY = 15000.00;
    public String Name = "";
    public  double Salary = 0.0;
```

```
    public  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  static class date {
        public date() {
        }
    }
}

class Manager extends Employee {
    public 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 Manager (){
    }
}
public class TestMenager {
    public static void main(String[] args) {
        Manager Utama = new Manager ("Jhon", 5000000, "Finalcial");
        System.out.println("Name : "+ Utama.GetName());
        System.out.println("Salary : "+ Utama.GetSalary());
        System.out.println("Departemen : "+Utama.GetDept());

        Utama = new Manager ("Michael", "Accounting");
        System.out.println("Name : "+ Utama.GetName());
        System.out.println("Salary : "+ Utama.GetSalary());
        System.out.println("Departemen : "+Utama.GetDept());
    }
}
```

Solusi : Mengubah atribut private menjadi public

Percobaan ke 5

```
class MoodyObject {
    protected String getMood(){
        return"moody";
    }
    public void speak(){
        System.out.println("I am"+getMood());
```

```
    }
    void laugh(){}
    void cry(){}
}
public class SadObject extends MoodyObject {
    protected String getMood(){
        return "sad";
    }
    public void cry(){
        System.out.println("Hoo hoo");
    }
}
class MoodyTest {
    public static void main(String[]args){
        MoodyObject m = new MoodyObject();
        m.speak();

        m = new HappyObject();
        m.speak();
        m.cry();
        m = new SadObject();
        m.speak();
        m.cry();
    }
    private static class HappyObject extends MoodyObject {
        public HappyObject() {
        }
    }
}
```

Solusi : Menghapus Public pada class MoodyObject, Menghapus public pada class MoodyTest dan membuat public class pada HappyObject

Percobaan ke 6

```
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") ;
   }
}
class B extends A{
   B(){
      System. out . println ("Konstruktor B dijalankan ") ;
      var_a = "Var_a dari class B";
      var_b = "Var_a dari class B";
}
   public static void main (String args [] ) {
      System. out . println ("Objek 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 ("Objek 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) ;
   }
}
```

Solusi : Gak ada masalah

Percobaan ke 7

```
class Bapak {
   int a;
   int b;
   void show_variabel () {
      System. out . println ("NIlai a="+ a) ;
      System. out . println ("NIlai b="+ b) ;
   }
}
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) ;
   }
}
class InheritExample {
   public static void main (String [] args) {
      Bapak objectBapak = new Bapak () ;
      Anak objectAnak = new Anak () ;
      objectBapak. a=1;
      objectBapak. b=1;
      System. out . println ("Object Bapak (Superclass) :") ;
      objectBapak. show_variabel () ;
      objectAnak. c=5;
      System. out. println ("Object Anak (Superclass dari Bapak) :") ;
      objectAnak. show_variabel () ;
   }
}
```

Solusi : Menghapus public pada class InheritExample

Percobaan ke 8

```
public class Parent {
    String parentName;
    Parent () { }

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