Laporan Tugas

Disusun sebagai
MATA KULIAH : Pemrograman Berbasis Objek

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PROGRAM STUDI D4 TEKNIK INFORMATIKA
JURUSAN TEKNOLOGI INFORMASI
POLITEKNIK NEGERI MALANG
2021

Hierarchical Inheritance

Class Binatang

```
package inheritancepart2;

/**
 *
 * @author ALIFIYUL
 */
public class Binatang {
    void jmlhkaki(){
        System.out.println("Jumlah Kaki : 4");}
    void kategori(){
        System.out.println("Hewan Herbivora");
    }
    void makanan(){
        System.out.println("Makanan : Tumbuhan");
    }

}
```

Class Sapi

```
package inheritancepart2;

/**
 *
 * @author ALIFIYUL
 */
public class Sapi extends Binatang{
    void nama1(){System.out.println("Nama Hewan : SAPI ");
    }
    void warnasapi(){System.out.println("Warna Kulit : coklat dan Putih");
    }
    void melenguh(){
        System.out.println("Suara : mooooo.... mooooo...");

    }
}
```

Class Kambing

```java
package inheritancepart2;

/**
 *
 * @author ALIFIYUL
 */
public class Kambing extends Binatang {
    void nama2(){
        System.out.println("Nama Hewan : KAMBING");
    }
    void warnakambing(){
        System.out.println("Warna Bulu : Hitam dan putih");
    }
    void mengembik(){
        System.out.println("Suara : mbeekk... mbeeekk...");
    }
}
```

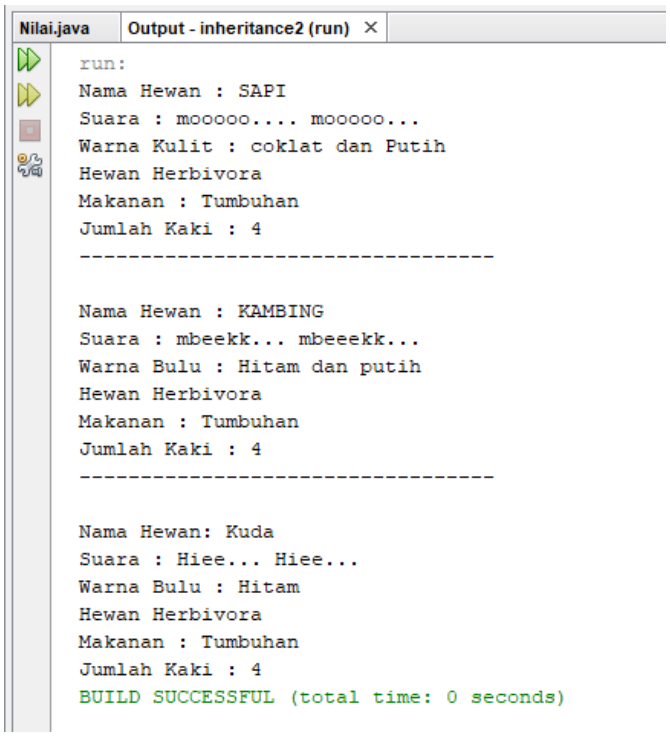
Class Kuda

```java
 */
package inheritancepart2;

/**
 *
 * @author ALIFIYUL
 */
public class Kuda extends Binatang{
    void nama3(){
        System.out.println("Nama Hewan: Kuda");
    }
    void warnakuda(){
        System.out.println("Warna Bulu : Hitam");
    }
    void meringkik(){
        System.out.println("Suara : Hiee... Hiee...");
    }
}
```

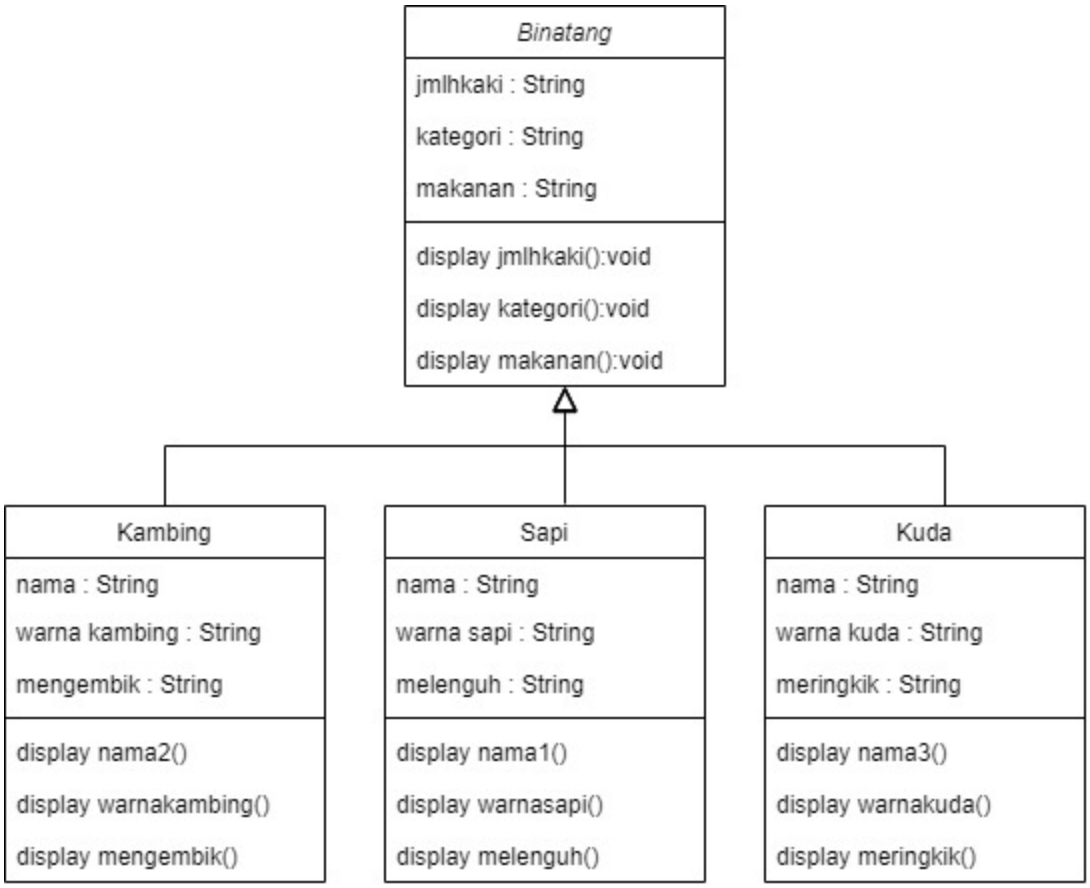
Class Test

```
 * @author ALIFIYUL
 */
public class Test {
    public static void main(String[] args) {
        Sapi s=new Sapi();
        s.nama1();
        s.melenguh();
        s.warnasapi();
        s.kategori();
        s.makanan();
        s.jmlhkaki();
        System.out.println("-----------------------------------");
        System.out.println();
        Kambing k=new Kambing();
        k.nama2();
        k.mengembik();
        k.warnakambing();
        k.kategori();
        k.makanan();
        k.jmlhkaki();
        System.out.println("-----------------------------------");
        System.out.println();
        Kuda kd=new Kuda();
        kd.nama3();
        kd.meringkik();
        kd.warnakuda();
        kd.kategori();
        kd.makanan();
        kd.jmlhkaki();
    }
}
```

Output



Class Diagram



Hybrid Inheritance

Class GrandFather

```
 */
package Tugas2;

/**
 *
 * @author ALIFIYUL
 */

 public  class GrandFather {

        public void land() {
                System.out.println("GradFater's land");
        }

}
```

Class Father

```
package Tugas2;

/**
 *
 * @author ALIFIYUL
 */
    class Father extends GrandFather {

        public void home() {
                System.out.println("Father's home");
        }

        public void Car() {
                System.out.println("Father's Car");
        }
}
```

Class Son

```java
package Tugas2;

/**
 *
 * @author ALIFIYUL
 */

class Son extends Father {

        // son constructor
        public Son() {
                System.out.println("Son...");
        }

        public void mobile() {
                System.out.println("Son's mobile");
        }
}
```

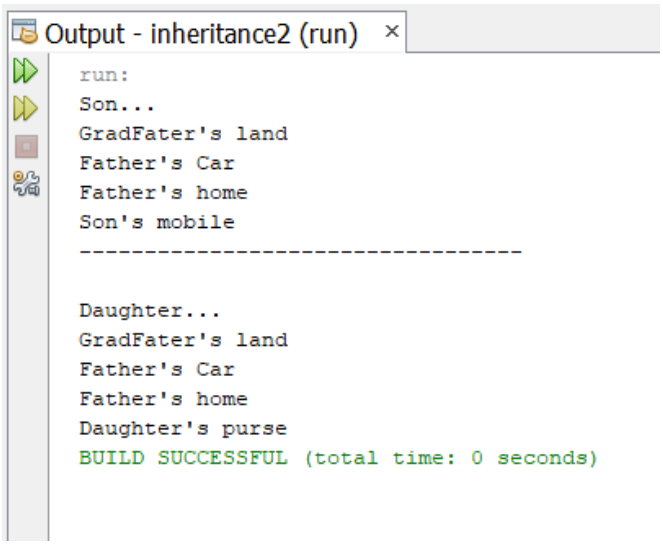
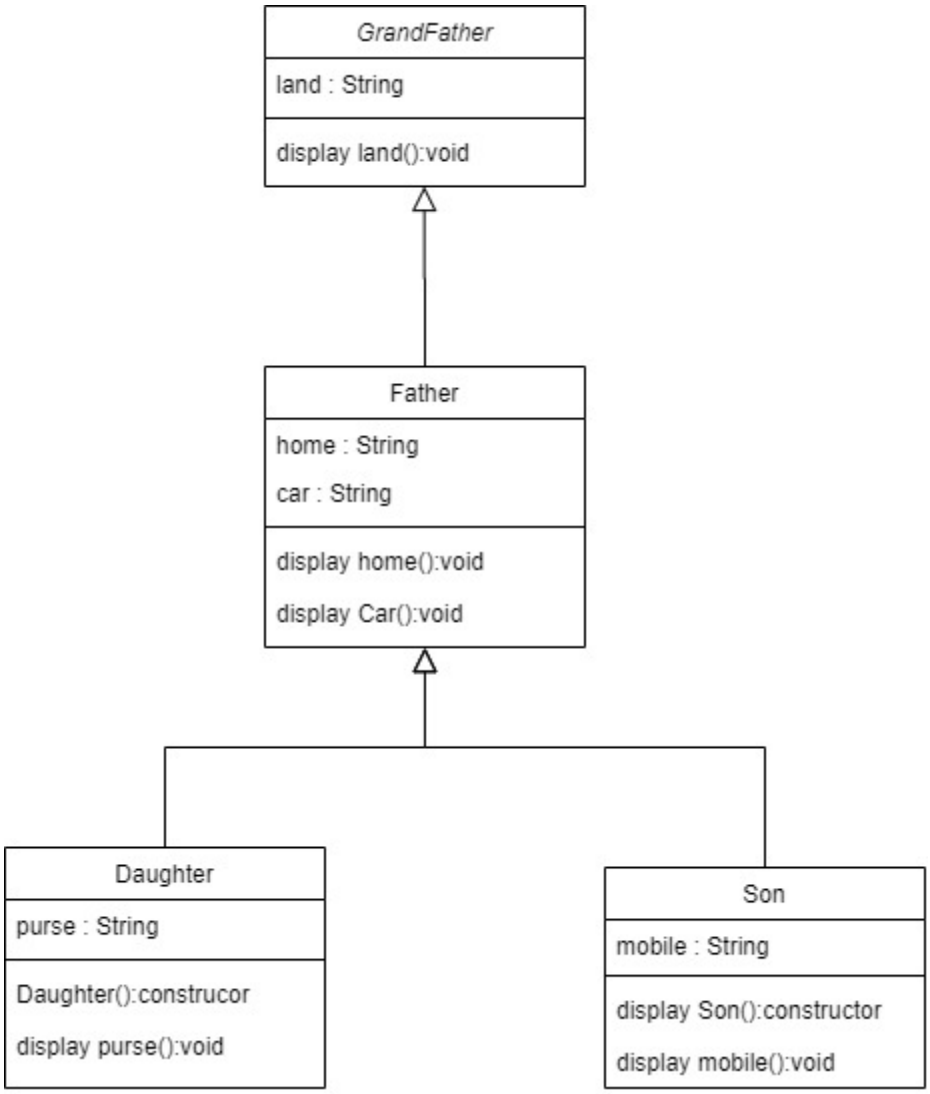
Class Daughter

```java
 */
package Tugas2;

/**
 *
 * @author ALIFIYUL
 */
    class Daughter extends Father {

        // Daughter constructor
        public Daughter() {
                System.out.println("Daughter...");
        }
        public void purse() {
                System.out.println("Daughter's purse");
        }
}
```

Class TestTestHybridInheritance

```java
package Tugas2;

/**
 *
 * @author ALIFIYUL
 */
public class TestHybridInheritance {
    public static void main(String[] args) {

                // Son object
                Son s = new Son();
                s.land();// Grand father method
                s.Car(); // Father method
                s.home();// Father method
                s.mobile();// son method
                System.out.println("----------------------------------");
                System.out.println();

                // Daughter object
                Daughter d = new Daughter();
                d.land();// Grand father method
                d.Car(); // Father method
                d.home();// Father method
                d.purse();// son method

        }
}
```

Output



Class Diagram