TUGAS UML PRAKTIKUM PEMROGRAMAN BERORIENTASI OBJEK PERTEMUAN 7

2022

Praktikan

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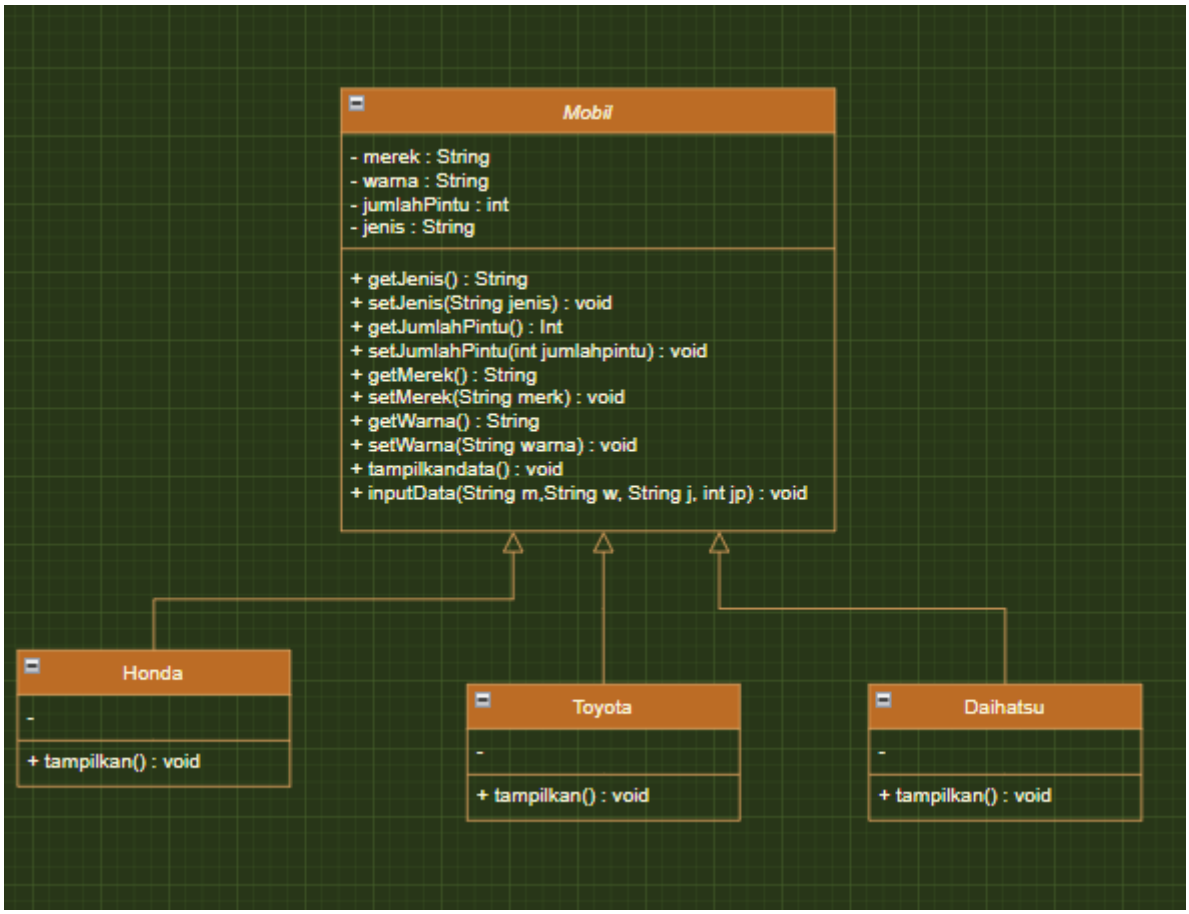
SIB 2F /11

DAFTAR ISI

1. UML



2. Kode Program

Class Mobil (Class Induk)

```
public class Mobil {
    private String merek;
    private String warna;
    private int jumlahPintu;
    private String jenis;

    public String getJenis(){
        return jenis;
    }
    public void setJenis(String jenis) {
        this.jenis = jenis;
    }
    public int getJumlahpintu() {
        return jumlahPintu;
    }
    public void setJumlahpintu(int jumlahpintu) {
        this.jumlahPintu = jumlahpintu;
    }
    public String getMerek() {
        return merek;
    }
    public void setMerek(String merek) {
        this.merek = merek;
    }
    public String getWarna() {
        return warna;
    }
    public void setWarna(String warna) {
        this.warna = warna;
    }
    public void tampilkandata(){
        System.out.println("merek mobil :"+getMerek());
        System.out.println("warna mobil :"+getWarna());
        System.out.println("total pintu :"+getJumlahpintu());
        System.out.println("jenis mobil :"+getJenis());
    }
    public void inputData(String m,String w,String j,int jp){
     setMerek(m);
     setWarna(w);
     setJenis(j);
     setJumlahpintu(jp);
    }
}
```

Class Honda (Class Anak)

```
public class Honda extends Mobil{
    public void tampilkan(){
     double besarsilinder=5.5;
     String bahanbakar="Pertamax";
     String kategori="Sport";

     Mobil m = new Mobil();

     m.inputData("CRV", "Hitam", "Mewah", 4);
     m.tampilkandata();

      System.out.println("silinder :"+besarsilinder);
      System.out.println("jenis bahan bakar :"+bahanbakar);
      System.out.println("jenis kategori :"+kategori);
    }
}
```

Class Toyota (Class Anak)

```
public class Toyota extends Mobil{
    public void tampilkan(){
        double besarsilinder;
        String bahanbakar;
        String kategori;

        besarsilinder=4;
        bahanbakar="Pertalite";
        kategori="Low Multi Purpose Vehicle (LMPV)";

        Mobil m = new Mobil();

        m.inputData("AVANZA", "Merah", "Ekonomis", 5);
        m.tampilkandata();

        System.out.println("silinder :"+besarsilinder);
        System.out.println("jenis bahan bakar :"+bahanbakar);
        System.out.println("jenis kategori :"+kategori);
    }
}
```

Class Daihatsu (Class Anak)

INHERITENCE

```
public class Daihatsu extends Mobil{
    public void tampilkan(){
     double besarsilinder=4;
     String bahanbakar="Pertalite";
     String kategori="Low Multi Purpose Vehicle (LMPV)";

     Mobil m = new Mobil();

     m.inputData("Xenia", "Putih", "Ekonomis", 4);
     m.tampilkandata();

      System.out.println("silinder :"+besarsilinder);
      System.out.println("jenis bahan bakar :"+bahanbakar);
      System.out.println("jenis kategori :"+kategori);
    }
}
```

Class Main

```
public class Main {
    public static void main (String [] args){
    System.out.println("HONDA");

    Honda h = new Honda();
    h.tampilkan();

    System.out.println("\nTOYOTA");
    Toyota t = new Toyota();
    t.tampilkan();

    System.out.println("\nDAIHATSU");
    Daihatsu d = new Daihatsu();
    d.tampilkan();
    }
}
```

3. Output

```
HONDA
merek mobil :CRV
warna mobil :Hitam
total pintu :4
jenis mobil :Mewah
silinder :5.5
jenis bahan bakar :Pertamax
jenis kategori :Sport

TOYOTA
merek mobil :AVANZA
warna mobil :Merah
total pintu :5
jenis mobil :Ekonomis
silinder :4.0
jenis bahan bakar :Pertalite
jenis kategori :Low Multi Purpose Vehicle (LMPV)

DAIHATSU
merek mobil :Xenia
warna mobil :Putih
total pintu :4
jenis mobil :Ekonomis
silinder :4.0
jenis bahan bakar :Pertalite
jenis kategori :Low Multi Purpose Vehicle (LMPV)
------------------------------------------------
BUILD SUCCESS
```