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NIM : A12.2020.06455

Mata Kuliah : PBO

Tugas Teori Interface

Source Code

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MK : PBO - 6405

```
import java.util.Scanner;
```

```
interface Mobil {
```

```
// information
```

```
void Model();
```

```
int Speed();
```

```
int Fuel Tank();
```

```
int MAX_GEAR = 6;
```

```
// action
```

```
void Pedal();
```

```
void BrakePedal();
```

```
void ClutchPedal();
```

```
void GearUp();
```

```
void GearDown();
```

```
}
```

```
class Mobil Lamborghini implements Mobil {
```

```
int GEAR;
```

```
int pilih;
```

```
int pilih gear;
```

```
// information
```

```
public void Model()
```

```
{
```

```
System.out.println("Lamborghini Aventador");
```

```
}
```

```
public int Speed()
```

```
{
```

```
return 350;
```

```
}
```

```
public int Fuel Tank()
```

```
{
```

```
return 90;
```

```
}
```



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Tugas Teori Interface

// action

```
public void Pedal ()
```

```
{
```

```
    System.out.println (" Aksi Injak Pedal : Maju ");
```

```
}
```

```
public void Brake Pedal ()
```

```
{
```

```
    System.out.println (" Aksi Injak Rem : Berhenti ");
```

```
}
```

```
public void Clutch Pedal ()
```

```
{
```

```
    System.out.println (" Aksi Injak Kopling : Kopling ");
```

```
}
```

```
public void GearUp ()
```

```
{
```

```
    GEAR += 1;
```

```
    System.out.println (" Posisi Gear : " + this.get Gear());
```

```
}
```

```
public void GearDown ()
```

```
{
```

```
    if (this.GEAR == 0) {
```

```
        GEAR = this.GEAR + 5;
```

```
    }
```

```
    else {
```

```
        GEAR -= 1;
```

```
    }
```

```
    System.out.println (" Posisi Gear : " + this.get Gear());
```

```
}
```

```
public int get Gear () {
```

```
    return this.GEAR;
```

```
}
```

```
}
```

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Tugas Teori Interface

// main program

public class Interface - mobil &

public static void main (String[] args)

{

Mobil Lamborghini x = new Mobil Lamborghini();

Scanner oscanol = new Scanner (System.in);

// information display

System.out.println ("Welcome to Lamborghini Smart Device");

System.out.println ("=====");

System.out.print ("Vehicle Type : ");

x.Model();

System.out.println ("Top Speed : " + x.Speed() + "km/h");

System.out.println ("Fuel tank Capacity : " + x.Fuel tank() + "L");

// action display

System.out.print ("Pilih Aksi [1-3] : ");

x.pilih = oscanol.nextInt();

// condition

if (x.pilih == 1) {

x.pedal();

} else if (x.pilih == 2) {

x.Brake pedal();

} else if (x.pilih == 3) {

x.Clutch pedal();

System.out.print ("Pilih Gear [1-7 / Up & Down] : ");

x.pilih gear = oscanol.nextInt();

if (x.pilih gear == 1) {

x.Gear Up();

} else if (x.pilih gear == 2) {

x.Gear Down();

}

}

}

}

// return

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Tugas Teori Interface

Output

```
Welcome To Lamborghini Smart Device
=====
Vehicle Type : Lamborghini Aventador
Top Speed : 350 km/h
Fuel Tank Capacity : 90 L
Pilih Aksi [1-3] : 1
Posisi Gear [1-2/Up-Down] : 1
Aksi Injak Pedal : Maju
Press any key to continue...
```

```
Welcome To Lamborghini Smart Device
=====
Vehicle Type : Lamborghini Aventador
Top Speed : 350 km/h
Fuel Tank Capacity : 90 L
Pilih Aksi [1-3] : 1
Posisi Gear [1-2/Up-Down] : 1
Aksi Injak Pedal : Maju
Press any key to continue...
```

```
Welcome To Lamborghini Smart Device
=====
Vehicle Type : Lamborghini Aventador
Top Speed : 350 km/h
Fuel Tank Capacity : 90 L
Pilih Aksi [1-3] : 2
Aksi Injak Rem : Berhenti
Press any key to continue...
```

```
Welcome To Lamborghini Smart Device
=====
Vehicle Type : Lamborghini Aventador
Top Speed : 350 km/h
Fuel Tank Capacity : 90 L
Pilih Aksi [1-3] : 3
Aksi Injak Kopling : Kopling
Posisi Gear [1-2/Up-Down] : 1
Posisi Gear : 1
Press any key to continue...
```