

MAIN

```
package interfaces;

public class Start {

    public static void main(String[] args)
    {

        Vehicle vehicle1 = new Vehicle();
        vehicle1.start();
        vehicle1.drive();
        vehicle1.stop();
        vehicle1.adjustTemperature();
        vehicle1.decreaseSpeed();
        vehicle1.increaseSpeed();
        vehicle1.playAudio();
        Car car1 = new Car();
        car1.start();
        car1.drive();
        car1.stop();
        car1.adjustTemperature();
        car1.decreaseSpeed();
        car1.increaseSpeed();
        car1.playAudio();
        Motorcycle motorcycle1 = new Motorcycle();
        motorcycle1.start();
        motorcycle1.drive();
        motorcycle1.stop();
        motorcycle1.adjustTemperature();
        motorcycle1.decreaseSpeed();
```

```
        motorcycle1.increaseSpeed();
        motorcycle1.playAudio();
    }
}
```

DRIVABLE

```
package interfaces;
```

```
public interface Drivable {
    public void increaseSpeed();
    public void decreaseSpeed();
}
```

VEHICLE ABSTRACT

```
package interfaces;
```

```
public abstract class VehicleAbstract implements Drivable{
    public abstract void start();
    public abstract void increaseSpeed();
    public abstract void decreaseSpeed();
    public void playAudio(){
        System.out.println("dudududu");
    }
    public abstract void adjustTemperature();
}
```

CAR

```
package interfaces;

public class Car extends Vehicle{

    @Override

    public void drive() {

        System.out.println("car goes: ");

        super.drive();

    }

}
```

MOTORCYCLE

```
package interfaces;

public class Motorcycle extends Vehicle{

    @Override

    public void drive() {

        System.out.println("motorcycle goes:");

        super.drive();

    }

}
```

VEHICLE

```
package interfaces;

public class Vehicle extends VehicleAbstract{

    Vehicle(){};

    public void start(){

        System.out.println("vroom");

    }

}
```

```
public void drive(){
    System.out.println("skrrrt");
}

public void stop(){
    System.out.println("rrrrrt");
}

public void increaseSpeed(){System.out.println("faster");};
public void decreaseSpeed(){System.out.println("slower");};
public void adjustTemperature(){System.out.println("temperature
control activated");}

}
```