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import java.util.*;

interface vehicle{
    void changeGear(int newGear);
    void SpeedUp(int increment);
    void applyBreaks(int decrement);
}

class bicycle implements vehicle{

    int gear=0;
    int speed=0;
    public void changeGear(int newGear){
        gear=newGear;
        System.out.println("The new gear of bicycle is :"+gear);
    }
    public void SpeedUp(int increment){
        speed+=increment;
        System.out.println("The speed of bicycle is :"+speed);
    }
    public void applyBreaks(int decrement){
        speed-=decrement;
        System.out.println("The speed after applying break is:"+speed);
    }
}

class bike implements vehicle {
    int gear=0;
    int speed=0;

    public void changeGear(int newGear){
        gear=newGear;
        System.out.println("The new gear of bike is :"+gear);
    }
    public void SpeedUp(int increment){
        speed+=increment;
        System.out.println("The speed of bike is :"+speed);
    }
    public void applyBreaks(int decrement){
        speed-=decrement;
        System.out.println("The speed after applying break of bike
is:"+speed);
    }
}

class car implements vehicle{
    int gear=0;
    int speed=0;

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    public void changeGear(int newGear){
        gear=newGear;
        System.out.println("The new gear of car is :"+gear);

    }
    public void SpeedUp(int increment){
        speed+=increment;
        System.out.println("The speed of car is :"+speed);

    }
    public void applyBreaks(int decrement){
        speed-=decrement;
        System.out.println("The speed after applying break of car
is:"+speed);

    }

}

```

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public class driveVehicle {

    public static void main (String []arg){

        vehicle b=new bicycle();

        b.changeGear(1);
        b.SpeedUp(10);
        b.applyBreaks(3);
        System.out.println("-----*****-----");

        vehicle t=new bike();

        t.changeGear(4);
        t.SpeedUp(100);
        t.applyBreaks(30);
        System.out.println("-----*****-----");

        vehicle c=new car();
        c.changeGear(8);
        c.SpeedUp(150);
        c.applyBreaks(20);
        System.out.println("-----*****-----");

    }

}

```