public class Car{

    private int speed;

    private double regularPrice;

    private String color;

    public Car(int speed, double regularPrice, String color) {

        this.speed = speed;

        this.regularPrice = regularPrice;

        this.color = color;

    }

    public int getSpeed() {

        return speed;

    }

    public double getRegularPrice() {

        return regularPrice;

    }

    public String getColor() {

        return color;

    }

    public void setSpeed(int speed) {

        this.speed = speed;

    }

    public void setRegularPrice(double regularPrice) {

        this.regularPrice = regularPrice;

    }

    public void setColor(String color) {

        this.color = color;

    }

    public double getSalePrice(){

        return regularPrice;

    }

    @Override

    public String toString() {

        return "Car [speed=" + speed + ", regularPrice=" + regularPrice + ", color=" + color + "]";

    }

}

public class Truck extends Car{

    private int weight;

    public Truck(int speed, double regularPrice, String color, int weight) {

        super(speed, regularPrice, color);

        this.weight = weight;

    }

    public void setWeight(int weight) {

        this.weight = weight;

    }

    public int getWeight() {

        return weight;

    }

    public double getSalePrice(){

        double discount = 0;

        if (weight > 2000){

            discount = 0.1\*super.getRegularPrice();

        }else{

            discount = 0.2\*super.getRegularPrice();

        }

        return super.getRegularPrice() - discount;

    }

    @Override

    public String toString() {

        return "Truck [weight=" + weight + "]";

    }

}

public class Ford extends Car{

    private int year;

    private int manufacturerDiscount;

    public Ford(int speed, double regularPrice, String color, int year, int manufacturerDiscount) {

        super(speed, regularPrice, color);

        this.year = year;

        this.manufacturerDiscount = manufacturerDiscount;

    }

    public void setYear(int year) {

        this.year = year;

    }

    public void setManufacturerDiscount(int manufacturerDiscount) {

        this.manufacturerDiscount = manufacturerDiscount;

    }

    public int getYear() {

        return year;

    }

    public int getManufacturerDiscount() {

        return manufacturerDiscount;

    }

    public double getSalePrice(){

        return super.getSalePrice() - manufacturerDiscount;

    }

    @Override

    public String toString() {

        return "Ford [year=" + year + ", manufacturerDiscount=" + manufacturerDiscount + "]";

    }

}

public class Sedan extends Car{

    private int length;

    public Sedan(int speed, double regularPrice, String color, int length) {

        super(speed, regularPrice, color);

        this.length = length;

    }

    public void setLength(int length) {

        this.length = length;

    }

    public int getLength() {

        return length;

    }

    public double getSalePrice(){

        double discount = 0;

        if (length > 20){

            discount = 0.05\*super.getRegularPrice();

        }else{

            discount = 0.1\*super.getRegularPrice();

        }

        return super.getRegularPrice() - discount;

    }

    @Override

    public String toString() {

        return "Sedan [length=" + length + "]";

    }

}

public class MyOwnAutoShop {

    public static void main(String[] args) {

        Sedan sedan = new Sedan(233,40000,"red",34);

        Ford ford1 = new Ford(299,23000.0,"white",56,23000);

        Ford ford2 = new Ford(100,4900.0,"Blac",35,50000);

        Car car = new Car(500,7900.5,"Yellow");

        System.out.println("Seden Price is: "+sedan.getSalePrice());

        System.out.println("Ford1 Price is: "+ford1.getSalePrice());

        System.out.println("Ford2 Price is: "+ford2.getSalePrice());

        System.out.println("Car Price is: "+car.getSalePrice());

    }

}

My GitHub Account “khasamoh” Repository “JavaCode”