Username: Salmapandu

a:

public class Car{

    private int intSpeed;

    private String color;

    private double regularPrice;

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

        this.intSpeed=intSpeed;

        this.color=color;

        this.regularPrice=regularPrice;

    }

    public int getSpeed(){

        return intSpeed;

    }

    public String getColor(){

        return color;

    }

    public double getRegularPrice(){

        return regularPrice;

    }

b:

public class Ford extends Car {

    private int intYear;

    private int ManufacturerDiscount;

    public Ford(int intSpeed, String color, double regularPrice,int intYear,int ManufacturerDiscount) {

        super(intSpeed, color, regularPrice);

        this.intYear=intYear;

        this.ManufacturerDiscount=ManufacturerDiscount;

    }

    public double getSalePrice(){

        return getRegularPrice()-ManufacturerDiscount;

    }

}

c:

public class MyOwnAutoShop {

    public static void main(String[] args) {

        Sedan salma= new Sedan(10, "gray", 12500, 13);

        Ford salma1=new Ford(20, "yellow", 2532, 5, 6500);

        Ford salma2=new Ford(10, "purple", 350, 3, 6700);

        Car spio=new Car(12, "red", 2600);

        System.out.println("Sedan Sales Price: "+salma.getSalePrice());

        System.out.println("Ford sales : "+salma1.getSalePrice());

        System.out.println("Ford 2 sales :"+salma2.getSalePrice());

        System.out.println("Car Sales Price are: "+spio.getSalePrice());

    }

}

d:

public class Sedan extends Car {

    private int intLength;

    public Sedan(int intSpeed, String color, double regularPrice,int intLength) {

        super(intSpeed, color, regularPrice);

        this.intLength=intLength;

    }

    public double getSalePrice(){

        if(intLength>20)return getRegularPrice()\*0.05;else return getRegularPrice()\*0.1;

    }

}

e:

public class Truck extends Car{

    private int weight;

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

        super(intSpeed, color, regularPrice);

        this.weight=weight;

    }

    public double getSalePrice(){

        if(weight>2000)return getSpeed()\*0.1;else return getSpeed()\*0.2;

    }

}