OOP OEL 2

Code:

Main:

package oel2;

public class OEL2 {

public static void main(String[] args) {

System.out.println("\tAl Samad Shopping centre\n");

ShoppingCart s1 = new ShoppingCart();

s1.displayCart();

ElectronicProduct e1 = new ElectronicProduct();

ClothingProduct c1 = new ClothingProduct();

Cosmetics co = new Cosmetics();

}

}

Product:

package oel2;

public abstract class Product {

String prodName;

double prodPrice;

String prodDescription;

String prodBrand;

Product() {

this.prodName = prodName;

this.prodPrice = prodPrice;

this.prodDescription = prodDescription;

this.prodBrand = prodBrand;

}

public void getName() {

this.prodName = prodName;

}

public void getPrice() {

this.prodPrice = prodPrice;

}

public void getDescription() {

this.prodDescription = prodDescription;

}

public void getBrand() {

this.prodBrand = prodBrand;

}

private String setName() {

return prodName;

}

private double setPrice() {

return prodPrice;

}

private String setDescription() {

return prodDescription;

}

private String setBrand() {

return prodBrand;

}

public void calculateTotalPrice() {

}

public void displayDetails() {

}

public void discount() {

}

}

ElectronicProduct:

package oel2;

public class ElectronicProduct extends Product{

ElectronicProduct() {

this.prodName = prodName;

this.prodPrice = prodPrice;

this.prodDescription = prodDescription;

this.prodBrand = prodBrand;

}

@Override

public void getName() {

this.prodName = prodName;

}

public void getPrice() {

this.prodPrice = prodPrice;

}

public void getDescription() {

this.prodDescription = prodDescription;

}

public void getBrand() {

this.prodBrand = prodBrand;

}

private String setName() {

return prodName;

}

private double setPrice() {

return prodPrice;

}

private String setDescription() {

return prodDescription;

}

private String setBrand() {

return prodBrand;

}

}

ClothingProduct:

package oel2;

public class ClothingProduct extends Product {

ClothingProduct() {

this.prodName = prodName;

this.prodPrice = prodPrice;

this.prodDescription = prodDescription;

this.prodBrand = prodBrand;

}

@Override

public void getName() {

this.prodName = prodName;

}

public void getPrice() {

this.prodPrice = prodPrice;

}

public void getDescription() {

this.prodDescription = prodDescription;

}

public void getBrand() {

this.prodBrand = prodBrand;

}

private String setName() {

return prodName;

}

private double setPrice() {

return prodPrice;

}

private String setDescription() {

return prodDescription;

}

private String setBrand() {

return prodBrand;

}

}

Cosmetics:

package oel2;

public class Cosmetics extends Product {

Cosmetics() {

this.prodName = prodName;

this.prodPrice = prodPrice;

this.prodDescription = prodDescription;

this.prodBrand = prodBrand;

}

@Override

public void getName() {

this.prodName = prodName;

}

public void getPrice() {

this.prodPrice = prodPrice;

}

public void getDescription() {

this.prodDescription = prodDescription;

}

public void getBrand() {

this.prodBrand = prodBrand;

}

private String setName() {

return prodName;

}

private double setPrice() {

return prodPrice;

}

private String setDescription() {

return prodDescription;

}

private String setBrand() {

return prodBrand;

}

}

ShoppingCart:

package oel2;

public class ShoppingCart {

public void calculateTotalPrice(){

}

public void addProducts(){

}

public void displayCart(){

System.out.println();

}

public void discount(){

}

}

PaymentGateway:

package oel2;

public interface PaymentGateway {

}

User:

package oel2;

public class User {

private String userID;

private String userName;

private String shoppingCart;

private User() {

this.userID = userID;

this.userName = userName;

this.shoppingCart = shoppingCart;

}

public void browsingProducts() {

}

public void addToCart() {

}

public void payments() {

}

}