

8 *
9 * @author 20121

10 */

11 public abstract class product {

12 protected int productid;

13 protected float price;

14 protected String productname;

15
16 public void setProductid(int productid) {

17 if(productid>0){

18 this.productid = productid;

19 }else throw new invalidinput(message: "productid should be greater than 0");

20 }

21
22 public void setPrice(float price) {

23 if(price>0){

24 this.price = price;

25 }else throw new invalidinput(message: "price should be greater than 0");

26 }

27
28 public void setproductName(String productname) {

29 this.productname = productname;

30 }

31
Output x

```
26     }
27
28     public void setproductName(String productname) {
29         this.productname = productname;
30     }
31
32     public int getProductid() {
33         return productid;
34     }
35
36     public float getPrice() {
37         return price;
38     }
39
40     public String getproductName() {
41         return productname;
42     }
43
44
45 }
46
```

Output x

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java
ava
a
any.mavenproject13
x
<empty>
boat
id:int
Name():String
at price)
id(int productid)
tName(String productname)
at
id:int
name:String

9 * @author 20121

10 */

object10

11 public class ClothingProduct extends product {

12 private String size;

13 private String fabric;

14

15 public void setSize(String size) {

16 this.size = size;

17 }

project12

18

19 public void setFabric(String fabric) {

20 this.fabric = fabric;

21 }

22

23 public String getSize() {

24 return size;

25 }

26

27 public String getFabric() {

28 return fabric;

29 }

30

31

32 }

33

34

Output x

```
10  */
11  public class ElectronicProduct extends product {
12      private String brand;
13      private int warrantyPeriod;
14
15      public void setBrand(String brand) {
16          this.brand = brand;
17      }
18
19      public void setWarrantyPeriod(int warrantyPeriod) {
20          if(warrantyPeriod>0){
21              this.warrantyPeriod = warrantyPeriod;
22          }else throw new invalidinput(message:" warrantyPeriod should be greater than 0");
23      }
24
25      public String getBrand() {
26          return brand;
27      }
28
29      public int getWarrantyPeriod() {
30          return warrantyPeriod;
31      }
32
33
34  }
```

warrantyPeriod)

Output X

project10

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ava

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K

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author)

g publisher)

```
8      *
9      * @author 20121
10     */
11     public class bookproduct extends product {
12         private String author;
13         private String publisher;
14
15         public void setAuthor(String author) {
16             this.author = author;
17         }
18
19         public void setPublisher(String publisher) {
20             this.publisher = publisher;
21         }
22
23         public String getAuthor() {
24             return author;
25         }
26
27         public String getPublisher() {
28             return publisher;
29         }
30
31     }
32
```

Output x


```
10  */
11  public class customer {
12
13      protected String name;
14      protected String address;
15      protected int customerid;
16
17      public void setName(String name) {
18          this.name = name;
19      }
20
21      public void setAddress(String address) {
22          this.address = address;
23      }
24
25      public int getCustomerid() {
26          return customerid;
27      }
28
29      public void setCustomerid(int customerid) {
30          if(customerid>0){
31              this.customerid = customerid;
32          }else throw new invalidinput(message: "customer id should be greater than zero");
33      }
34
35  }
```

Output x

venproject12

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java

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ring

y: int

ing

ing address)

(int customerid)

g name)

g

at

```
29 public void setCustomerid(int customerid) {  
30     if(customerid>0){  
31         this.customerid = customerid;  
32     }else throw new invalidinput(message: "customer id should be greater th  
33     }  
34  
35  
36  
37 public String getName() {  
38     return name;  
39 }  
40  
41 public String getAddress() {  
42     return address;  
43 }  
44  
45 }  
46
```

Output x

```
3  * Click nbfs://nbhost/SystemFileSystem/Templates/Classes/Class.java to edit thi
4  */
5  package com.mycompany.mavenproject12;
6
7  /**
8   *
9   * @author 20121
10  */
11  public class invalidinput extends RuntimeException {
12      public invalidinput() {
13      }
14
15      public invalidinput(String message) {
16          super(message);
17      }
18  }
19
```

Output x


```
10  */
11  public class cart {
12      private int ;
13      protected int nproduct;
14      protected String[]x;
15      protected float[]f;
16      protected float totalprice;
17      public cart(int nproduct) {
18          this.nproduct = nproduct;
19          x=new String[nproduct];
20          f=new float[nproduct];
21          r=0;
22      }
23
24      public String[] addproduct(String y){
25          if(y=="") {
26          }else{
27              x[r]=y;
28          }
29          return(x);
30      }
31      public float calculateprice(float r){
32          if(r!=0){
33              totalprice+=r;
34              f[r]=r;
35              r++;
36          }
```

```

27         x[n]=y;
28     }
29     return(x);
30 }
31 public float calculateprice(float r){
32     if(r!=0){
33         totalprice+=r;
34         f[n]=r;
35         n++;
36         return(totalprice);
37     }
38 }
39 public void removeproduct(String y,float r){
40     for(int i=0;i<=n;i++){
41         if(y==x[i]){
42             x[i]="";
43             totalprice-=r;
44             System.out.println("this product has been removed");
45         }
46     }
47 }
48 }
49
50
51 }
52

```



```
10 /
11 public class order{
12     private int orderid;
13
14     public void setOrderid(int orderid) {
15         if(orderid>0){
16             this.orderid = orderid;
17         }else throw new invalidinput(message: "order id should be greater than zero");
18     }
19     public int getOrderid() {
20         return orderid;    }
21
22
23     public void printinfo(int x,float f,String[]product){
24         System.out.println("order id="+orderid);
25         System.out.println("customer id="+x);
26         System.out.println(x: "products:");
27         for(int i=0;i<product.length;i++){
28             if(product[i]!=""){
29                 System.out.println(product[i]);
30             }else continue;
31         }
32         System.out.println("totalprice="+f);
33     }
34 }
35
```



```
Mavenproject12.java X product.java X invalidinput.java X ElectronicProduct.java X ClothingProduct.java X bookproduct.java X customer.java X
import java.util.Scanner;

public class Mavenproject12 {

    public static void main(String[] args) {
        Scanner input = new Scanner(System.in);
        System.out.println("please enter your id");
        int x = input.nextInt();
        System.out.println("please enter your name");
        String y = input.next();
        System.out.println("please enter your address");
        String z = input.next();
        customer cl = new customer();
        cl.setName(name: y);
        cl.setCustomerId(customerid: x);
        cl.setAddress(address: z);
        System.out.println("How many products do you want to add");
        int q = input.nextInt();
        cart c = new cart(sproduct: q);
        for(int i=0; i<q; i++){
            System.out.println("which product do you want to add \n 1.clothes category \n 2.Electronics category \n 3.books category");
            int s = input.nextInt();
            switch (s) {
                case 1:
                    ClothingProduct b = new ClothingProduct();
                    b.setProductid(customerid);
            }
        }
    }
}
```

Output X



Search



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```
31     int s=input.nextInt();
32     switch (s) {
33         case 1:
34             ClothingProduct b = new ClothingProduct();
35             b.setProductid(productid:1);
36             System.out.println(x: "Enter product in this category do you want to add");
37             String a=input.next();
38             b.setproductName(productname: a);
39             System.out.println(x: "Enter price of this product");
40             int w=input.nextInt();
41             b.setPrice(price: w);
42             c.addproduct(y: b.getproductName());
43             System.out.println(x: "if do you want to remove product Enter 1");
44             int t=input.nextInt();
45             if(t==1){
46                 c.removeproduct(y: a, z: b.getPrice());
47             }
48             c.calculateprice(z: b.getPrice());
49             break;
50         case 2:
51             ElectronicProduct e = new ElectronicProduct();
52             e.setProductid(productid:2);
53             System.out.println(x: "Enter product in this category do you want to add");
54             a=input.next();
55             e.setproductName(productname: a);
56             System.out.println(x: "Enter price of this product");
```


break;

case 2:

ElectronicProduct e = new ElectronicProduct();

e.setProductid(productid:2);

System.out.println(x: "Enter product in this category do you want to add");

a=input.next();

e.setproductName(productname: a);

System.out.println(x: "Enter price of this product");

w=input.nextInt();

e.setPrice(price: w);

c.addproduct(y: e.getproductName());

System.out.println(x: "if do you want to remove product Enter 1");

t=input.nextInt();

if(t==1){

c.removeproduct(y: a, z: e.getPrice());

}

c.calculateprice(z: e.getPrice());

break;

case 3:

bookproduct b1 = new bookproduct();

b1.setProductid(productid:3);

System.out.println(x: "Enter product in this category do you want to add");

a=input.next();

System.out.println(x: "Enter price of this product");

w=input.nextInt();

b1.setPrice(price: w);

b1.setproductName(productname: a);

Output X


```

66         break;
67     case 3:
68         bookproduct b1 = new bookproduct();
69         b1.setProductid(productid:3);
70         System.out.println(x: "Enter product in this category do you want to add");
71         a=input.next();
72         System.out.println(x: "Enter price of this product");
73         w=input.nextInt();
74         b1.setPrice(price: w);
75         b1.setproductName(productname: a);
76         c.addproduct(y: b1.getProductname());
77         System.out.println(x: "if do you want to remove product Enter 1");
78         t=input.nextInt();
79         if(t==1){
80             c.removeproduct(y: a, z: b1.getPrice());
81         }
82         c.calculateprice(z: b1.getPrice());
83         break;
84     }
85 }
86 order v=new order();
87 v.setOrderid(orderid: 1);
88 v.printinfo(x: c.calculateprice(z: 0), product: c.addproduct(y: ""));
89 }
90 }
91

```

Output x

Run (mavenproject12) X

Run (mavenproject12) X

order id=1

customer id=23010111

products:

tshirt

Tv

harrypotter

totalprice=1575.0

BUILD SUCCESS

Total time: 02:58 min



Search

