

```

1 package com.mycompany.ecommercesystem;
2 import java.util.Scanner;
3 public class EcommerceSystem {
4     static Scanner input = new Scanner(System.in);
5     public static void main(String[] args) {
6         gui gl = new gui();
7         ElectronicProduct elec = new ElectronicProduct(n: "Smart Phone", id: 1, p: 599.99f, b: "Samsung", wp: 1);
8         ClothingProduct cloth = new ClothingProduct(n: "T-Shirt", id: 2, p: 19.99f, s: "Meduim", f: "Cotton");
9         BookProduct book = new BookProduct(n: "OOP", id: 3, p: 39.99f, a: "O'Reilly", pu: "X Publishet");
10        Customer cou = new Customer();
11        Cart car = new Cart();
12        Order ord = new Order();
13        ord.setOrderId(1);
14        System.out.println(x: "Welcome to the E-commerce system !");
15        System.out.println(x: "Please enter your name: ");
16        String Name = input.nextLine();
17        cou.setname(n: Name);
18        System.out.println(x: "Please Enter your ID: ");
19        int ID = input.nextInt();
20        cou.setcustomerId(cid: ID);
21        ord.setCustomerId(customerId: ID);
22        System.out.println(x: "Please Enter your address : ");
23        String Adress = input.next();
24        cou.setaddress(ad: Adress);
25        System.out.println(x: "How many products you want buy ?");
26        int N = input.nextInt();
27        car.setnproducts(n: N);
28        Product pro[] = new Product[N];
29        car.Addproduct(a: pro);
30        car.CalculatePrice(a: pro);
31        Product pro1 = car.removeproduct(- pro);

```

```
14      System.out.println(x: "Welcome to the E-commerce system !");
15      System.out.println(x: "Please enter your name: ");
16      String Name = input.nextLine();
17      cou.setname (n: Name);
18      System.out.println(x: "Please Enter your ID: ");
19      int ID = input.nextInt();
20      cou.setcustomerId(cid:ID);
21      ord.setCustomerId(customerId: ID);
22      System.out.println(x: "Please Enter your address : ");
23      String Adress = input.next();
24      cou.setaddress (ad: Adress);
25      System.out.println(x: "How many products you want buy ?");
26      int N = input.nextInt();
27      car.setnproducts (n: N);
28      Product pro[] = new Product[N];
29      car.Addproduct (a: pro);
30      car.CalculatePrice (a: pro);
31      Product pro[] = car.removeproduct (a: pro);
32      car.placeorder();
33      if(car.c==1){
34          ord.PrintOrderInformation(a: pro);
35          car.CalculatePrice (a: pro);
36      }
37      else{
38          car.removeproducts (a: pro);
39      }
40  }
41
42  }
43
```



```
1 package com.mycompany.ecommercesystem;
2 public class Product {
3     int productId;
4     String name;
5     float price;
6     public Product() {}
7     public Product(String n , int id, float p) {
8         name = n;
9         productId = id;
10        price = p;
11    }
12    public void setproductId(int id) {
13        if(id>0) {
14            productId = id;
15        }
16        else{
17            productId = Math.abs(id);
18        }
19    }
20    public int getproductId() {
21        return productId;
22    }
23    public void setname( String n) {
24        name = n;
25    }
26    public String getname() {
27        return name;
28    }
29    public void setprice(float p) {
30        if(p>0) {
31            price = p;
32        }
33    }
34 }
```

Source

History



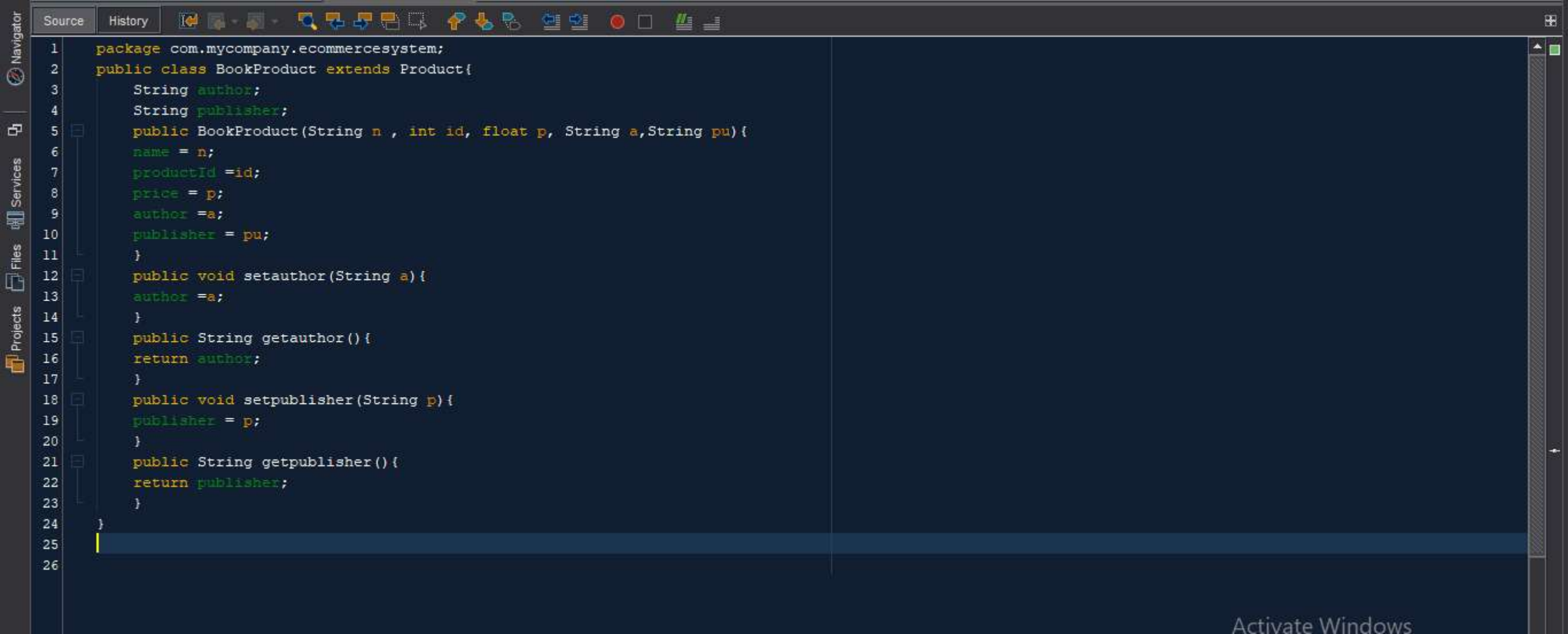
```
12 public void setproductId(int id) {
13     if(id>0){
14         productId = id;
15     }
16     else{
17         productId = Math.abs(id);
18     }
19 }
20 public int getproductId() {
21     return productId;
22 }
23 public void setname( String n) {
24     name = n;
25 }
26 public String getname() {
27     return name;
28 }
29 public void setprice(float p) {
30     if(p>0) {
31         price = p;
32     }
33     else{
34         price = Math.abs(p);
35     }
36 }
37 public float getprice() {
38     return price;
39 }
40
41 }
```



```
1 package com.mycompany.ecommercesystem;
2 public class ElectronicProduct extends Product{
3     String brand;
4     int warrantyPeriod;
5     public ElectronicProduct(String n , int id, float p,String b, int wp){
6         name = n;
7         productId =id;
8         price = p;
9         brand = b;
10        warrantyPeriod = wp;
11    }
12    public void setbrand(String b){
13        brand = b;
14    }
15    public String getbrand(){
16        return brand;
17    }
18    public void setwarrantyPeriod(int wp){
19        if(wp>0){
20            warrantyPeriod = wp;
21        }
22        else{
23            warrantyPeriod = Math.abs(wp);
24        }
25    }
26    public int getwarrantyPeriod(){
27        return warrantyPeriod;
28    }
29 }
30
```



```
1 package com.mycompany.ecommercesystem;
2 public class ClothingProduct extends Product{
3     String size;
4     String fabric;
5     public ClothingProduct(String n , int id, float p,String s,String f){
6         name = n;
7         productId =id;
8         price = p;
9         size = s;
10        fabric =f;
11    }
12    public void setsize(String s){
13        size =s;
14    }
15    public String getsize(){
16        return size;
17    }
18    public void setfabric(String f){
19        fabric = f;
20    }
21    public String getfabric(){
22        return fabric;
23    }
24 }
25
```



Source

History



```
1 package com.mycompany.ecommercesystem;
2 public class Customer {
3     int customerId;
4     String name;
5     String address;
6     public void setcustomerId(int cid) {
7         if(cid>0){
8             customerId = cid;
9         }
10        else{
11            System.out.println("Customer ID should be positive");
12        }
13    }
14    public int getcustomerId() {
15        return customerId;
16    }
17    public void setname(String n) {
18        name =n;
19    }
20    public String getname() {
21        return name;
22    }
23    public void setaddress(String ad) {
24        address = ad;
25    }
26    public String getaddress() {
27        return address;
28    }
29 }
30
```

Activate Windows

Go to Settings to activate Windows.



```
1 package com.mycompany.ecommercesystem;
2 import java.util.Scanner;
3 public class Cart {
4     int customerId;
5     int nproducts;
6     static Scanner input = new Scanner(System.in);
7     int c;
8     public void setcustomerId(int cid) {
9         if(cid>0) {
10             customerId = cid;
11         }
12         else{
13             System.out.println("Customer ID should be positive");
14         }
15     }
16     public int getcustomerId() {
17         return customerId;
18     }
19     public void setnproducts(int n) {
20         nproducts = n;
21     }
22     public int getnproducts() {
23         return nproducts;
24     }
25     public void Addproduct(Product[]a) {
26         int n;
27         for(int i =0 ;i<a.length;i++){
28             System.out.println("which product you would add?");
29             System.out.println("1.Smart phone");
30             System.out.println("2.T-shirt");
31             System.out.println("3.OOB");
```



```
25 public void Addproduct(Product[] a){
26     int n;
27     for(int i =0 ;i<a.length;i++){
28         System.out.println("which product you would add?");
29         System.out.println("1.Smart phone");
30         System.out.println("2.T-shirt");
31         System.out.println("3.OOP");
32         n = input.nextInt();
33         switch(n){
34             case(1):
35                 a[i]= new Product(n: "Smart Phone", id: 1, p: 599.99f);
36                 break;
37             case (2):
38                 a[i]= new Product(n: "T-shirt", id: 2, p: 19.99f);
39                 break;
40             case(3):
41                 a[i]= new Product(n: "OOP", id: 3, p: 39.99f);
42                 break;
43             default:
44                 a[i]= new Product(n: null, id: 0, p: 0f);
45                 break;
46         }
47     }
48 }
49 public Product[] removeproduct(Product[] a){
50     System.out.println("Would you like to delete and a product: ");
51     System.out.println("1-Yes");
52     System.out.println("2-No");
53     int n = input.nextInt();
54     switch (n) {
55         case 1:
```

```

50 System.out.println(x: "Would you like to delete and a product: ");
51 System.out.println(x: "1-Yes");
52 System.out.println(x: "2-No");
53 int n = input.nextInt();
54 switch (n) {
55     case 1:
56         System.out.println(x: "What is the number of the product you want to delete: ");
57         int N = input.nextInt();
58         for(int i = 0; i < a.length; i++) {
59             if(i == N-1) {
60                 a[i] = new Product(x: "Null", id: 0, p: 0f);
61             }
62             else
63                 continue;
64             }
65             return a;
66
67         default:
68             return a;
69
70     }
71 }
72 public void removeproducts (Product[] a) {
73     for(int i = 0; i < a.length; i++) {
74         a[i] = null;
75     }
76 }
77 public void CalculatePrice (Product[] a) {
78     float toatlprice = 0f;
79     for(int i = 0; i < a.length; i++) {

```

```

74     a[i] = null;
75 }
76 }
77 public void CalculatePrice(Product[] a) {
78     float toatlprice = 0f;
79
80     for(int i = 0 ;i<a.length;i++){
81         toatlprice+=a[i].price;
82     }
83     System.out.println("Total price is " + toatlprice);
84 }
85
86 public void placeorder() {
87     System.out.println(x: "Would you like to place order?");
88     System.out.println(x: "1-YES");
89     System.out.println(x: "2-NO");
90     c = input.nextInt();
91     switch (c) {
92         case 1:
93             System.out.println(x: "Here is your order summary: ");
94             break;
95         case 2:
96             System.out.println(x: "Your order is cancelled");
97             break;
98         default:
99             System.out.println(x: "Invalid choice");
100     }
101 }
102 }
103 }
104
  
```




```
1 package com.mycompany.ecommercesystem;
2 public class Order {
3     int customerId;
4     int orderId;
5     float totalPrice;
6     public Order() {
7     }
8
9     public Order(int customerId, int orderId, float totalPrice) {
10         this.customerId = customerId;
11         this.orderId = orderId;
12         this.totalPrice = totalPrice;
13     }
14
15     public int getCustomerId() {
16         return customerId;
17     }
18
19     public int getOrderId() {
20         return orderId;
21     }
22
23     public float getTotalPrice() {
24         return totalPrice;
25     }
26
27     public void setCustomerId(int customerId) {
28         this.customerId = customerId;
29     }
30
31     public void setOrderId(int orderId) {
```



```

19 public int getOrderID() {
20     return OrderId;
21 }
22
23 public float getTotalPrice() {
24     return TotalPrice;
25 }
26
27 public void setCustomerId(int customerId) {
28     this.customerId = customerId;
29 }
30
31 public void setOrderId(int OrderId) {
32     this.OrderId = OrderId;
33 }
34
35 public void setTotalPrice(float TotalPrice) {
36     this.TotalPrice = TotalPrice;
37 }
38 public void PrintOrderInformation(Product[] a) {
39     System.out.println("Order Id: " + OrderId);
40     System.out.println("Customer Id: " + customerId);
41     System.out.println("Products: ");
42     for(int i =0 ;i<a.length;i++){
43         System.out.println(a[i].name + " - " + a[i].price);
44     }
45 }
46 }
47 }
48

```

```

Welcome to the E-commerce system !
Please enter your name:
Yousef Sherif Mohamed Samir
Please Enter your ID:
23011187
Please Enter your address :
Smouha
How many products you want buy ?
4
which product you would add?
1.Smart phone
2.T-shirt
3.OOP
2
which product you would add?
1.Smart phone
2.T-shirt
3.OOP
3
which product you would add?
1.Smart phone
2.T-shirt
3.OOP
2
which product you would add?
1.Smart phone
2.T-shirt
3.OOP
1
Total price is 679.95996
Would you like to delete and a product:
1-Yes
2-No
2
Would you like to place order?
1-YES
2-NO
  
```


Welcome to our commerce System

Name : Yousef Sherif Mohamed Samir

Password :

Customer ID : 23011187

Address : Smouha

Save

Delete

Name: Yousef Sherif Mohamed Samir

CustomerID: 23011187

Address: Smouha

Products:

Smartphone(ID:1 - Price:599,9 - Brand:Samsung)

Add

Remove

T-Shirt(ID:2 - Price:19.99 - Size:Meduim - Fabric:cotton)

Add

Remove

OOP(ID:3 - Price:39.99 - Author:O'Reilly - Publisher:X Publications)

Add

Remove

Confirm

Cancel