

```

/*
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 * Templates
 * and open the template in the editor.
 */
package programming;

/**
 *
 * @author Zaki
 */
import java.util.Scanner;

public class Programming {

    /**
     * @param args the command line arguments
     */
    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 c1 = new Customer();
        c1.setName(y);
        c1.setAddress(z);
        c1.setAddress(z);
        System.out.println("How many products do
        you want to add");
        int winput = nextInt();
        Cart c = new Cart(q);
        for(int i=0;i<winput;i++){
            System.out.println("which product do you
            want to add in 1.clothes category in
            2.Electronics category in 3.books category");
            int cinput = nextInt();
            switch (cinput) {
                case 1:
                    clothingproduct b = new
                    clothingproduct();
                    b.setProductid(i);
                    System.out.println("Enter
                    product in this category do you want to add");
                    String ainput = next();
                    b.setProductname(a);
                    c.addproduct(b.getProductname());
                    System.out.println("Enter price
                    of this product");
                    int winput = nextInt();
                    b.setPrice(w);
                    c.calculatePrice(b.getPrice());
                    break;
                case 2:
                    Electronicproduct e = new
                    Electronicproduct();
                    e.setProductid(i);
                    System.out.println("Enter
                    product in this category do you want to add");
                    ainput = next();
                    e.setProductname(a);
                    System.out.println("Enter price
                    of this product");
                    winput = nextInt();
                    e.setPrice(w);
                    c.addproduct(e.getProductname());
                    c.calculatePrice(e.getPrice());
                    break;
                case 3:
                    bookproduct b1 = new
                    bookproduct();
                    b1.setProductid(i);
                    System.out.println("Enter
                    product in this category do you want to add");
                    ainput = next();
                    b1.setProductname(a);
                    System.out.println("Enter price
                    of this product");
                    winput = nextInt();
                    b1.setPrice(w);
                    c.addproduct(b1.getProductname());
                    c.calculatePrice(b1.getPrice());
                    break;
            }
            order v = new order();
            v.setOrderid(i);
            v.printlnInfo();
            c.calculatePrice(b).c.addproduct("");
        }
    }

}

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:

/**
 *
 * @author Zaki
 */
public abstract class product {
    protected int productid;
    protected float price;
    protected String productname;

    public void setProductid(int productid) {
        if(productid>0){
            this.productid = productid;
        }else throw new InvalidInput("productid
        should be greater than 0");
    }

    public void setPrice(float price) {
        if(price>0){
            this.price = price;
        }else throw new InvalidInput("price
        should be greater than 0");
    }

    public void setProductname(String
    productname) {
        this.productname = productname;
    }

    public int getProductid() {
        return productid;
    }

    public float getPrice() {
        return price;
    }

    public String getProductname() {
        return productname;
    }
}

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:

/**
 *
 * @author Zaki
 */
public class Electronicproduct extends product {
    private String brand;
    private int warrantyPeriod;

    public void setBrand(String brand) {
        this.brand = brand;
    }

    public void setwarrantyPeriod(int
    warrantyPeriod) {
        if(warrantyPeriod>0){
            this.warrantyPeriod = warrantyPeriod;
        }else throw new InvalidInput("
        warrantyPeriod should be greater than 0");
    }

    public String getBrand() {
        return brand;
    }

    public int getWarrantyPeriod() {
        return warrantyPeriod;
    }
}

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:

/**
 *
 * @author Zaki
 */
public class clothingproduct extends product {
    private String size;
    private String fabric;

    public void setSize(String size) {
        this.size = size;
    }

    public void setFabric(String fabric) {
        this.fabric = fabric;
    }

    public String getSize() {
        return size;
    }

    public String getFabric() {
        return fabric;
    }
}

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:

/**
 *
 * @author Zaki
 */
public class bookproduct extends product {
    private String author;
    private String publisher;

    public void setAuthor(String author) {
        this.author = author;
    }

    public void setPublisher(String publisher) {
        this.publisher = publisher;
    }

    public String getAuthor() {
        return author;
    }

    public String getPublisher() {
        return publisher;
    }
}

}

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```

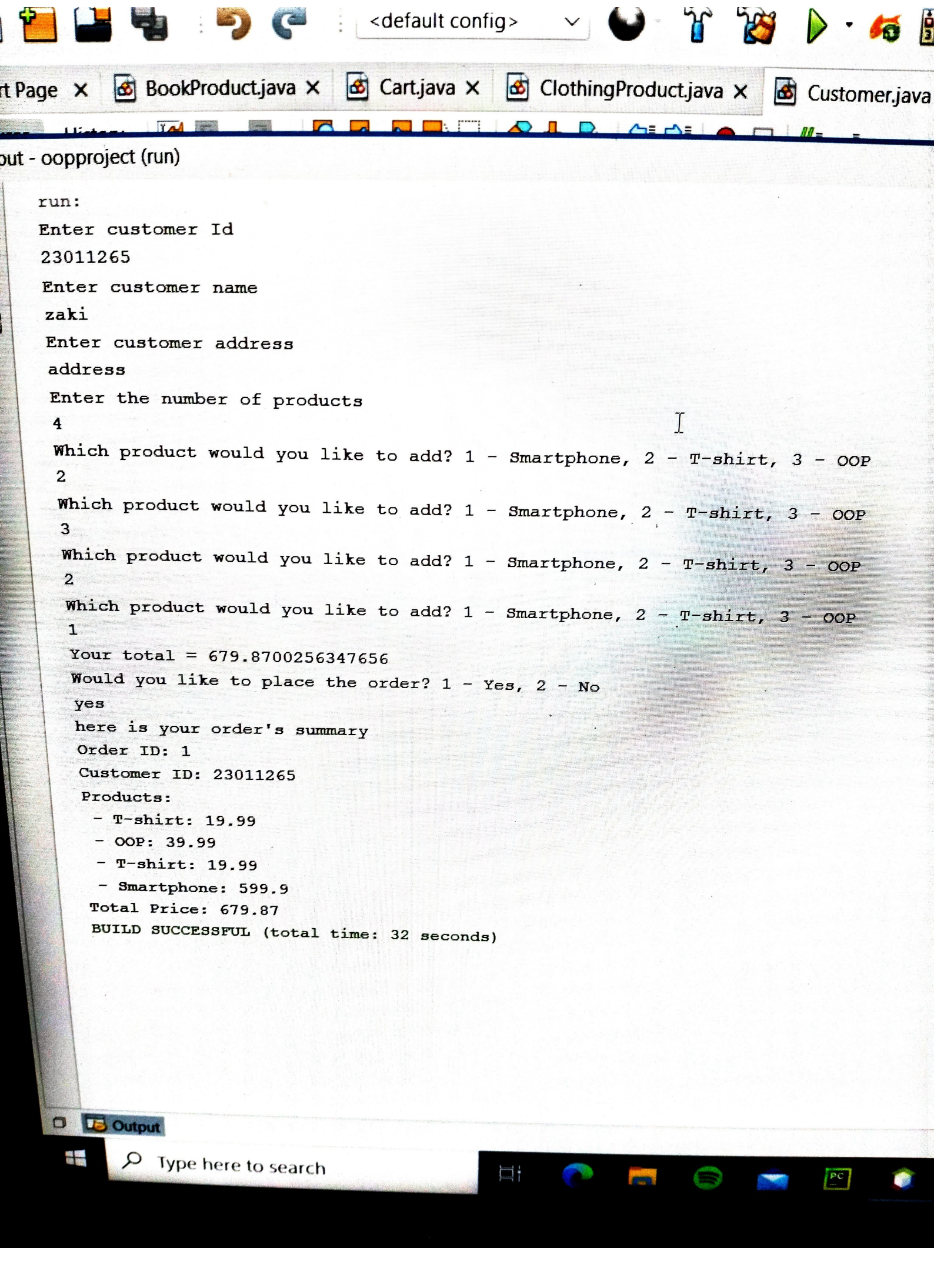
*/

```
public class invalidinput extends
```

```
RuntimeException {
```

```
    public invalidinput() {  
    }
```

```
    public invalidinput(String message) {  
        super(message);  
    }
```



<default config>

BookProduct.java X Cart.java X ClothingProduct.java X Customer.java

out - oopproject (run)

run:

Enter customer Id

23011265

Enter customer name

zaki

Enter customer address

address

Enter the number of products

4

Which product would you like to add? 1 - Smartphone, 2 - T-shirt, 3 - OOP

2

Which product would you like to add? 1 - Smartphone, 2 - T-shirt, 3 - OOP

3

Which product would you like to add? 1 - Smartphone, 2 - T-shirt, 3 - OOP

2

Which product would you like to add? 1 - Smartphone, 2 - T-shirt, 3 - OOP

1

Your total = 679.8700256347656

Would you like to place the order? 1 - Yes, 2 - No

yes

here is your order's summary

Order ID: 1

Customer ID: 23011265

Products:

- T-shirt: 19.99

- OOP: 39.99

- T-shirt: 19.99

- Smartphone: 599.9

Total Price: 679.87

BUILD SUCCESSFUL (total time: 32 seconds)

Output

Type here to search