Name: Saif Eldin Yousry Mohamed Mahmoud

ID: 23010152

Ecommerce Project

Main:

```
String customerName=JOptionPane.showInputDialog(message: "Enter your name");
int customerID=Integer.parseInt(s: JOptionPane.showInputDialog(message: "Enter your id:"));
int nProduct =Integer.parseInt(s: JOptionPane.showInputDialog(message: "Enter your id:"));
clothing.product clootProd=new Clothing.product();
Electronic_product electroprod=new Electronic_product();
Book_product bookprod=new Book_product();
Customer Cart(customerSid:1,nProduct);
Customer CustI=new Customer();
cust1.setCustomerName(customerName);
for(int i=0; icnProduct; i++){
    int prod_num=Asth.sbs(s: Integer.parseInt(s: JOptionPane.showInputDialog(message: "Choose your product: 1)clooth 2)Electronic device 3)Book")));
    if (prod_num=Side(num=Side(num=Side(num=Side(num=Side(num=Side(num=Side(num=Side(num=Side(num=Side(num=Side(num=Side(num=Side(num=Side(num=Side(num=Side(num=Side(num=Side(num=Side(num=Side(num=Side(num=Side(num=Side(num=Side(num=Side(num=Side(num=Side(num=Side(num=Side(num=Side(num=Side(num=Side(num=Side(num=Side(num=Side(num=Side(num=Side(num=Side(num=Side(num=Side(num=Side(num=Side(num=Side(num=Side(num=Side(num=Side(num=Side(num=Side(num=Side(num=Side(num=Side(num=Side(num=Side(num=Side(num=Side(num=Side(num=Side(num=Side(num=Side(num=Side(num=Side(num=Side(num=Side(num=Side(num=Side(num=Side(num=Side(num=Side(num=Side(num=Side(num=Side(num=Side(num=Side(num=Side(num=Side(num=Side(num=Side(num=Side(num=Side(num=Side(num=Side(num=Side(num=Side(num=Side(num=Side(num=Side(num=Side(num=Side(num=Side(num=Side(num=Side(num=Side(num=Side(num=Side(num=Side(num=Side(num=Side(num=Side(num=Side(num=Side(num=Side(num=Side(num=Side(num=Side(num=Side(num=Side(num=Side(num=Side(num=Side(num=Side(num=Side(num=Side(num=Side(num=Side(num=Side(num=Side(num=Side(num=Side(num=Side(num=Side(num=Side(num=Side(num=Side(num=Side(num=Side(num=Side(num=Side(num=Side(num=Side(num=Side(num=Side(num=Side(num=Side(num=Side(num=Side(num=Side(num=Side(num=Side(num=Side(num=Side(num=Side(num=Side(num=Side(num=Side(num=Side(num=Side(num=Side(num=Side(num=
                                                                                                    (prod_num==2) (prion_num=2) (prion_num=
                                                                                                                                                                            String author=JOptionPane.showInputDialog(message: "Enter the name of the author");
```

Product:

```
package second_sem_project;
   public int getProductId() {
    public void setProductId(int productId) {
    public String getName() {
    public void setName(String name) {
    public float getPrice() {
    public void setPrice(float Price) {
```

Customer:

```
public String getCustomerName() {
public void setCustomerName(String customerName) {
   this.customerName = customerName;
public String getAddress() {
public void setAddress(String address) {
public int getCustomerId() {
```

Electronic Product:

```
package second_sem_project;
public class Electronic_product extends Product {
    private String brand;
    private int warrantyProduct;

public String getBrand() {
        return brand;
    }

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

public int getWarrantyProduct() {
        return warrantyProduct;
    }

public void setWarrantyProduct(int warrantyProduct) {
        this.warrantyProduct = Math.abs(a: warrantyProduct);
}
```

Book Product:

```
package second sem project;
public class Book_product extends Product {
    private String author;
    private String publisher;

    public String getAuthor() {
        return author;
    }

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

    public String getPublisher() {
        return publisher;
    }

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

Clothes Product:

```
package second_sem_project;
public class Clothing_product extends Product {
    private String size;
    private String fabric;

public String getSize() {
        return size;
    }

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

public String getFabric() {
        return fabric;
    }

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

Order:

```
package second_sem_project;
public class Order {
    private int prderId=1;
    private int customerId;
    Cart cart = new Cart();
    Customer customer=new Customer();

public Order() {
    }

public Order(int customerId, int nProduct, Cart cart, Customer customer) {
        this.customer=customer;
        this.customerId = customerId;
    }

public void printOrder() {
    System.out.println(x: "Here is your order summery: ");
    System.out.println("Customer name: "+customer.getCustomerName());
    System.out.println("Customer int : "+customer.getCustomerName());
    System.out.println(x: "Your order id: 1");
    for(int i=0; i<cart.getnProduct(); i++) {
        System.out.println(cart.products[i].getName()+" - "+cart.products[i].getPrice()+" $");
    }
    System.out.println(x: "Thank you for using our E-commerce system ");
}
</pre>
```

Cart:

```
products(i)=product;
    break;
}
}

public void removeProducts() {
    for (int i=0; i<nProduct; i++) {
        if (products[i]=null) {
            products[i]=null;
        }
}

public float calculateTotal() {
    float sum=0;
    for (int i=0; i<nProduct; i++) {

        sum +=products[i].Price;
    }
    return sum;
}

public void placeOrder() {
    this.ans=Integer.parseInt(s: JOptionPane.showInputDialog("Total price is "+calculateTotal()+" $"+"\n Do you want to place order?"+"\n 1-yes or 2-no"));
}</pre>
```

Output:

```
Here is your order summery:

Customer name: Saif Eldin Yousry Mohamed Mahmoud

Customer ID: 23010152

Your order id: 1

T-Shirt - 19.99 $

OOP - 39.99 $

T-Shirt - 19.99 $

Smartphone - 599.99 $

Total price: 679.95996

Thank you for using our E-commerce system

BUILD SUCCESSFUL (total time: 3 minutes 38 seconds)
```