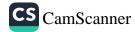
```
package com.mycompany.ecommercesystem;
[ import java.util.Scanner;
  public class EcommerceSystem [
      public static void main(String[] args) [
          Scanner hs=new Scanner(**ouro** System.in);
          Product p=new Product();
         ElectronicProduct e p =new ElectronicProduct(brand: " Samsung", warrantyFeriod: 1, productid: 1, price: 599.99f, name: "Smartphone");
         ClothingProduct c p=new ClothingProduct(fabris: "Cotton", size: "Medium", productId: 2, price: 19.99f, name: "T-Shirt");
         BookProduct b p=new BookProduct(suther: "O'Reilly", publisher: " X Publications", producted: 3, price: 39.99f, name: "OOP");
         System.out.println(=: "Welcome to the E-commerce system!");
         System.out.println(s: "Enter your id:");
         int customerId=hs.nextInt();
         System.out.println(x: "Enter your name:");
         String name=hs.next();
        System.out.println(x: "Enter your address:");
        String address=hs.next();
        Customer customer=new Customer(name,address,customerId);
        System.out.println(=: "How many products you want to add to your cart ?");
        int nProducts=hs.nextInt();
        Cart cart = new Cart(customerId, nProducts);
```



```
int x=1;
while (x<=nProducts) (
    System.out.println(x: "Which product would you like to add7 1:Smartphone , 2:T-shirt , 3:00p");
    int n =hs.nextInt();
    switch (n) [
        case 1:
            cart.addProducts(product:e_p);
            break:
        case 2:
            cart.addProducts( products ( products c p);
            break;
        case 3:
            cart.addProducts( product:b p);
            break;
    x+=1;
System.out.print( " your total is"+cart.calculatePrice() );
System.out.println(x: " Would you like to place the order ?1:yes , 2:no");
int placeOrder =hs.nextInt();
if (placeOrder==1) (
    System.out.println(x: "Here is your order is summary:");
    cart.placeOrder();
```



```
public class Product (
   private int productId;
   private float price;
   private String name;
   public int getProductId() (
       return productld;
   public Product(int productId, float price, String name) (
       this.productId = productId;
       this.price = price;
       this name = name;
   public Product() (
   public void setProductId(int productId) (
       this.productId= Math.abs(s: productId) ;
   public float getPrice() (
       return price;
   public void setPrice(float price) {
       this.price= Math.abs(a: price);
   public String getName() (
       return name;
   public void setName (String name) {
       this.name = name;
```



```
package com.mycompany.ecommercesystem;
public class ElectronicProduct extends Product (
   private String brand;
   private int warrantyPeriod;
   public ElectronicProduct(String brand, int warrantyPeriod, int productId, float price, String name)
       super(productId, price, name);
       this.brand = brand;
       this.warrantyPeriod = Math.abs( as warrantyPeriod) ;
   public String getBrand() {
       return brand;
   public void setBrand (String brand) (
       this.brand = brand;
   public int getWarrantyPeriod() {
       return warrantyPeriod;
   public void setWarrantyPeriod(int warrantyPeriod) {
       this.warrantyPeriod= Math.abs(a: warrantyPeriod) ;
```



```
package com.mycompany.ecommercesystem;
public class ClothingProduct extends Product(
    private String fabric;
    private String size;
    public ClothingProduct(String fabric, String size, int productId, float price, String name) (
        super(productId, price, name);
       this. Tabric = fabric;
       this.size = size;
    public String getFabric() {
       return fabric;
    public void setFabric(String fabric) (
        this.fabric = fabric;
    public String getSize() {
       return size;
    public void setSize(String size) [
       this.size = size;
```



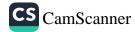
```
package com.mycompany.ecommercesystem;
public class BookProduct extends Product[
   private String author;
   private String publisher;
    public BookProduct(String author, String publisher, int productId, float price, String name)
       super(productId, price, name);
       this.author = author;
       this.publisher = 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;
```



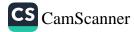
```
package com.mycompany.ecommercesystem;
public class Customer (
    private String name;
    private String address;
    private int customerid;
    public Customer(String name, String address, int customerId) (
        this.name = name;
        this.address = address;
       this.customerId =Math.abs(=: customerId) ;
    public String getName() {
        return name;
    public void setName (String name) {
        this.name = name;
    public String getAddress() [
        return address;
    public void setAddress(String address) (
       this.address = address;
    public int getCustomerId() {
        return customerId;
    public void setCustomerId(int customerId) {
       this.customerId= Math.abs(=: customerId) ;
```



```
package com.mycompany.ecommercesystem;
public class Cart (
    private int customerId;
    private int nProducts;
    private Product[] products=new Product[nProducts];
    public Cart(int customerId, int nProducts) {
        this.customerId = Math.abs(a: customerId) ;
        this.nProducts = Math.abs(a: nProducts) ;
       this.products = new Product[nProducts];
    public int getCustomerId() [
        return customerId;
    public void setCustomerId(int customerId) (
       this.customerId= Math.abs( a: customerId) ;
    public int getnProducts() [
        return nProducts;
    public void setnProducts(int nProducts) (
        this.nProducts= Math.abs(=: nProducts) ;
    public Product[] getProducts() {
       return products;
    public void setProducts(Product[] products) (
       this.products=products;
```



```
int i=0;
public void addProducts (Product product) [
   products[i]=product;
   1++1
public void removeProduct(Product product, int n ) {
    if (product == this.products[n])
       product=null;
   else
        System.out.println(x: "not find this product ");
public float calculatePrice() {
    float total = 0;
    for (Product product : products) [
       total += product.getPrice();
    float totalPrice=total;
   return totalPrice ;
public Order placeOrder() (
   float totalPrice= calculatePrice();
  int orderId = (int)(Math.random()*1000);
  Order order= new Order(customerId,orderId,products,totalPrice);
  order.printOrderInfo();
   return order;
```



```
package com.mycompany.ecommercesystem;
public class Order {
   private int customerId;
   private int orderId;
   Product[] products;
   float totalPrice;
   public Order(int customerId, int orderId, Product[] products, float totalPrice) {
       this.customerId =Math.abs(a: customerId) ;
       this.orderId =Math.abs(s: orderId);
       this.products = products;
       this.totalPrice = Math.abs(a: totalPrice);
   public void printOrderInfo() {
       System.out.println("customerId : "+ customerId);
       System.out.println("orderId : " + orderId);
       System.out.println(x: "products : ");
       for (Product product : products) {
           System.out.println(product.getName() + " - S"+ product.getPrice());
       System.out.println("totalPrice : "+ totalPrice);
```



```
Welcome to the E-commerce system!
Enter your id:
2692023
Enter your name:
habiba
Enter your address:
montaza
How many products you want to add to your cart ?
Which product would you like to add? 1:Smartphone , 2:T-shirt , 3:Oop
Which product would you like to add? 1:Smartphone , 2:T-shirt , 3:Oop
Which product would you like to add? 1:Smartphone , 2:T-shirt , 3:Oop
Which product would you like to add? 1:Smartphone , 2:T-shirt , 3:Oop
 your total is679.95996 Would you like to place the order ?1:yes , 2:no
Here is your order is summary:
customerId: 2692023
orderId : 644
products :
T-shirt - $19.99
oop - $39.99
T-shirt - $19.99
Smartphone - $599.99
totalPrice : 679.95996
BUILD SUCCESS
```

