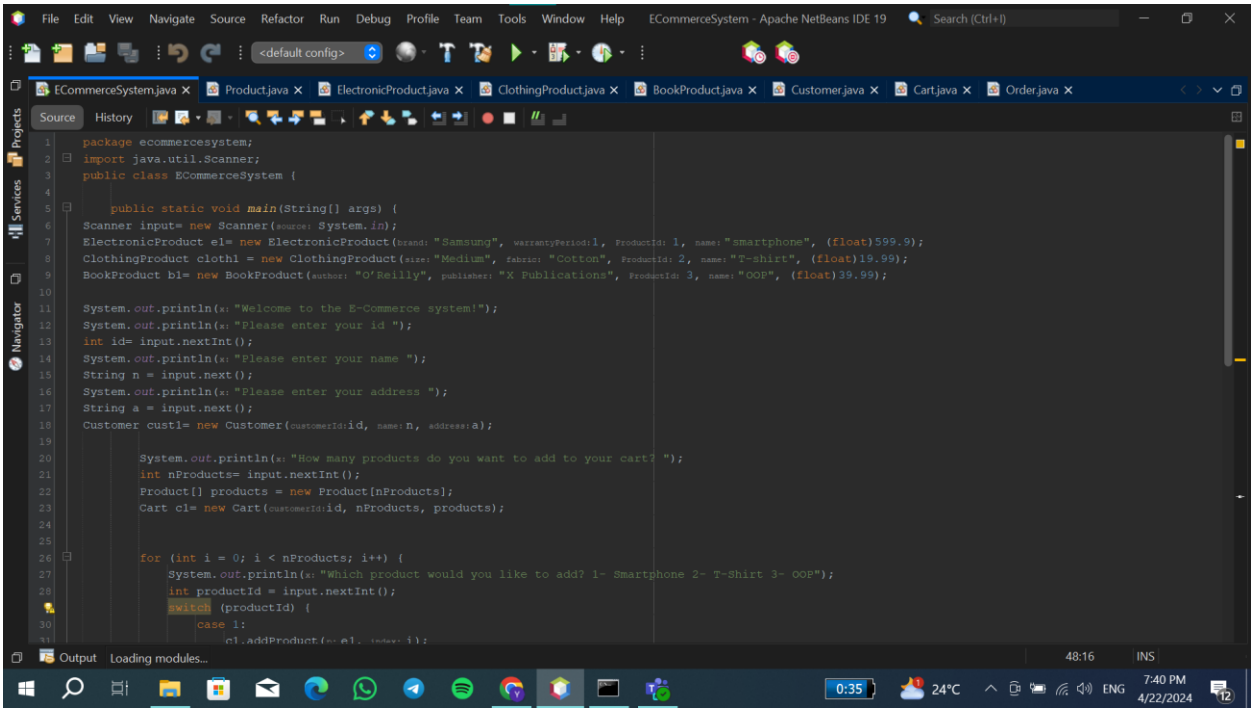
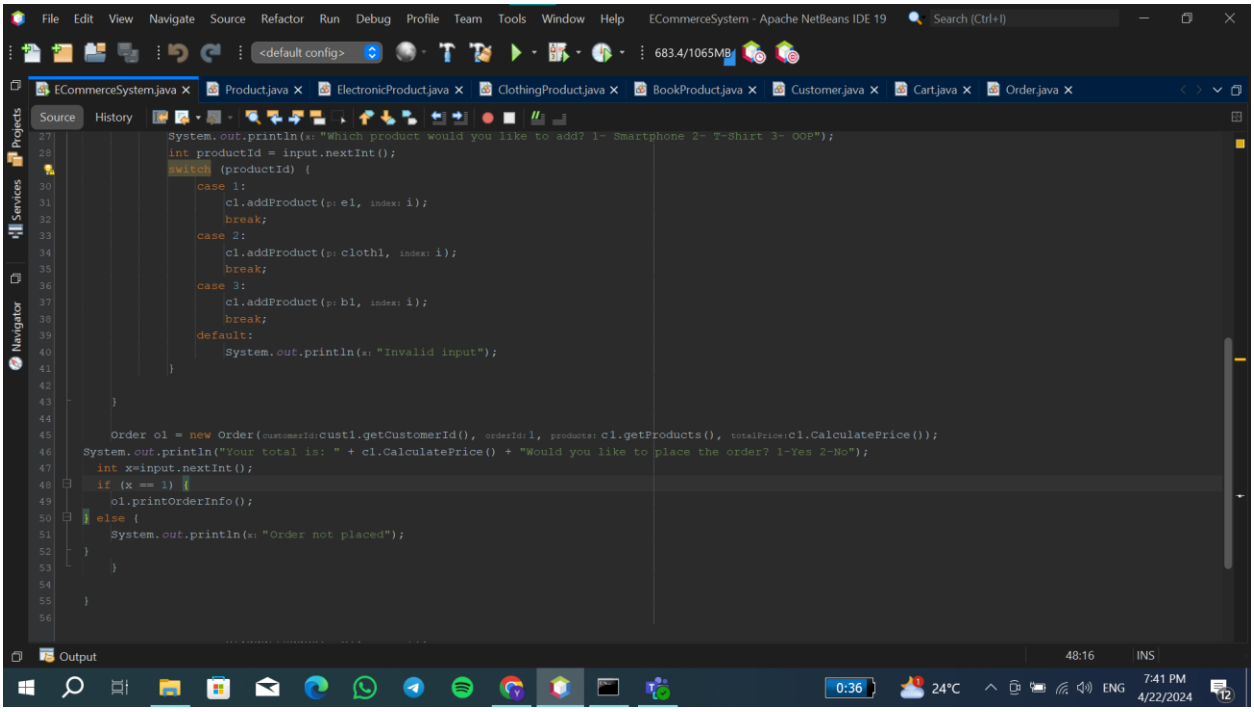
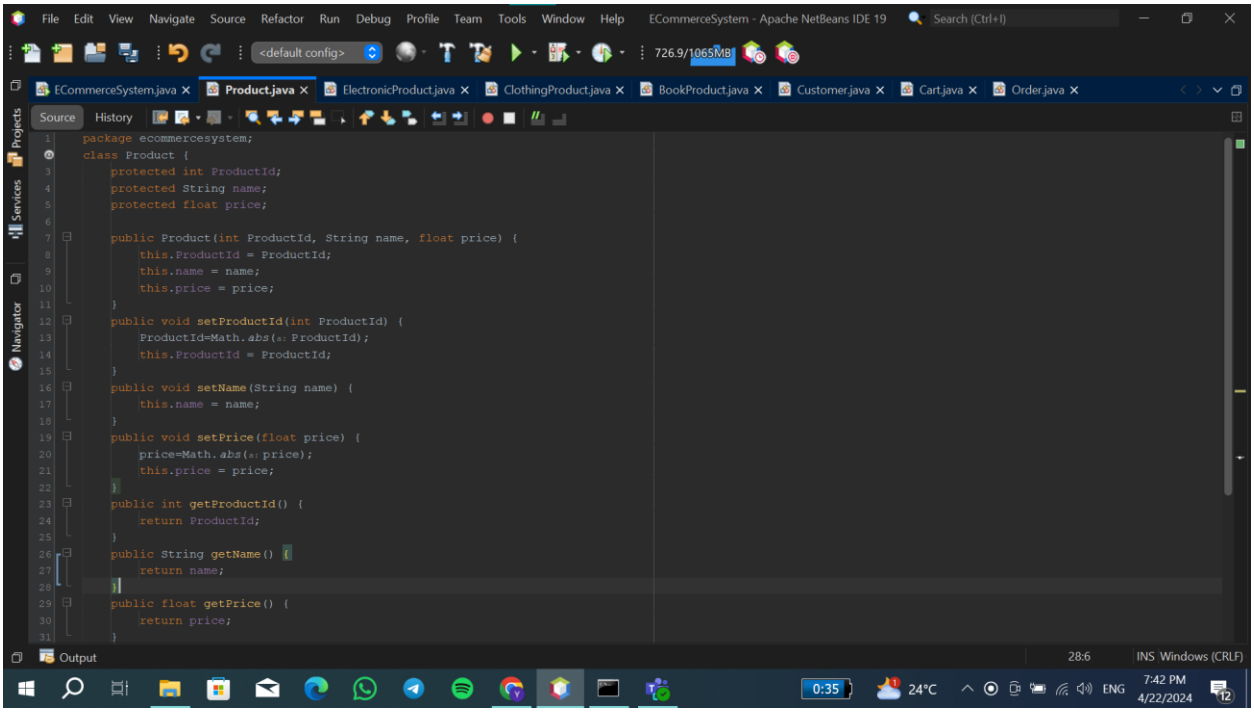
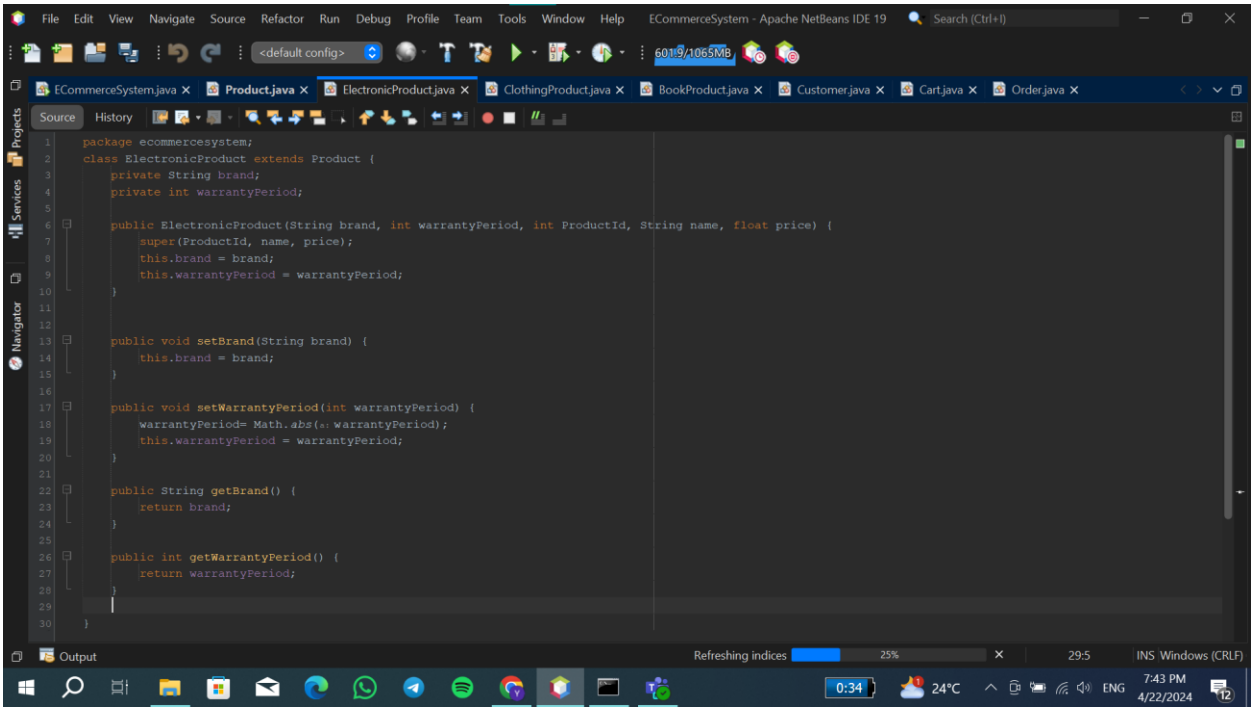
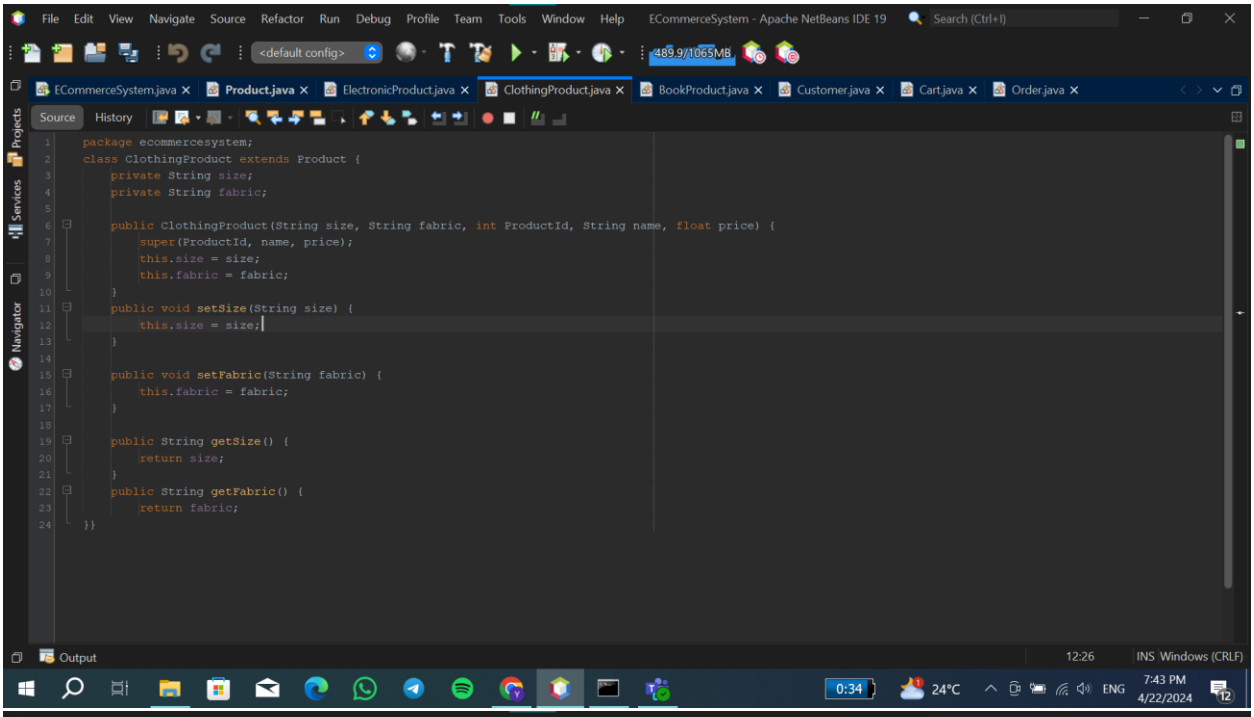

File Edit View Navigate Source Refactor Run Debug Profile Team Tools Window Help ECommerceSystem - Apache NetBeans IDE 19
Search (Ctrl+I)
<default config>
ECommerceSystem.java
Product.java
ElectronicProduct.java
ClothingProduct.java
BookProduct.java
Customer.java
Cart.java
Order.java
Source History
package ecommercesystem;
import java.util.Scanner;
public class ECommerceSystem {
public static void main(String[] args) {
Scanner input= new Scanner(source: System.in);
ElectronicProduct e1= new ElectronicProduct(brand: "Samsung", warrantyPeriod:1, ProductId: 1, name: "smartphone", (float)599.9);
ClothingProduct cloth1 = new ClothingProduct(size: "Medium", fabric: "Cotton", ProductId: 2, name: "T-shirt", (float)19.99);
BookProduct b1= new BookProduct(author: "O'Reilly", publisher: "X Publications", ProductId: 3, name: "OOP", (float)39.99);
System.out.println(x: "Welcome to the E-Commerce system!");
System.out.println(x: "Please enter your id ");
int id= input.nextInt();
System.out.println(x: "Please enter your name ");
String n = input.next();
System.out.println(x: "Please enter your address ");
String a = input.next();
Customer cust1= new Customer(customerId:id, name:n, address:a);
System.out.println(x: "How many products do you want to add to your cart? ");
int nProducts= input.nextInt();
Product[] products = new Product[nProducts];
Cart c1= new Cart(customerId:id, nProducts, products);
for (int i = 0; i < nProducts; i++) {
System.out.println(x: "Which product would you like to add? 1- Smartphone 2- T-Shirt 3- OOP");
int productId = input.nextInt();
switch (productId) {
case 1:
Output Loading modules...
48:16 INS
0:35
24°C
ENG
7:40 PM
4/22/2024


File Edit View Navigate Source Refactor Run Debug Profile Team Tools Window Help ECommerceSystem - Apache NetBeans IDE 19
Search (Ctrl+I)
<default config>
683.4/1065MB
ECommerceSystem.java
Product.java
ElectronicProduct.java
ClothingProduct.java
BookProduct.java
Customer.java
Cart.java
Order.java
Source History
System.out.println(x: "Which product would you like to add? 1- Smartphone 2- T-Shirt 3- OOP");
int productId = input.nextInt();
switch (productId) {
case 1:
c1.addProduct(p: e1, index: i);
break;
case 2:
c1.addProduct(p: cloth1, index: i);
break;
case 3:
c1.addProduct(p: b1, index: i);
break;
default:
System.out.println(x: "Invalid input");
}
}
Order o1 = new Order(customerId:cust1.getCustomerId(), orderId:1, products: c1.getProducts(), totalPrice:c1.CalculatePrice());
System.out.println("Your total is: " + c1.CalculatePrice() + "Would you like to place the order? 1-Yes 2-No");
int x=input.nextInt();
if (x == 1) {
o1.printOrderInfo();
} else {
System.out.println(x: "Order not placed");
}
}
}
Output
48:16 INS
0:36
24°C
ENG
7:41 PM
4/22/2024


File Edit View Navigate Source Refactor Run Debug Profile Team Tools Window Help ECommerceSystem - Apache NetBeans IDE 19
Search (Ctrl+I)
<default config>
726.9/1065MB
ECommerceSystem.java
Product.java
ElectronicProduct.java
ClothingProduct.java
BookProduct.java
Customer.java
Cart.java
Order.java
Source History
package ecommercesystem;
class Product {
protected int ProductId;
protected String name;
protected float price;
public Product(int ProductId, String name, float price) {
this.ProductId = ProductId;
this.name = name;
this.price = price;
}
public void setProductId(int ProductId) {
ProductId=Math.abs(a: ProductId);
this.ProductId = ProductId;
}
public void setName(String name) {
this.name = name;
}
public void setPrice(float price) {
price=Math.abs(a: price);
this.price = price;
}
public int getProductId() {
return ProductId;
}
public String getName() {
return name;
}
public float getPrice() {
return price;
}
Output
28:6
INS Windows (CRLF)
0:35
24°C
ENG
7:42 PM
4/22/2024


File Edit View Navigate Source Refactor Run Debug Profile Team Tools Window Help ECommerceSystem - Apache NetBeans IDE 19
Search (Ctrl+I)
<default config>
601.9/1065MB
ECommerceSystem.java
Product.java
ElectronicProduct.java
ClothingProduct.java
BookProduct.java
Customer.java
Cart.java
Order.java
Source History
package ecommercesystem;
class ElectronicProduct extends Product {
private String brand;
private int warrantyPeriod;
public ElectronicProduct(String brand, int warrantyPeriod, int ProductId, String name, float price) {
super(ProductId, name, price);
this.brand = brand;
this.warrantyPeriod = warrantyPeriod;
}
public void setBrand(String brand) {
this.brand = brand;
}
public void setWarrantyPeriod(int warrantyPeriod) {
warrantyPeriod= Math.abs(a: warrantyPeriod);
this.warrantyPeriod = warrantyPeriod;
}
public String getBrand() {
return brand;
}
public int getWarrantyPeriod() {
return warrantyPeriod;
}
}
Output
Refreshing indices
25%
29:5
INS Windows (CRLF)
0:34
24°C
ENG
7:43 PM
4/22/2024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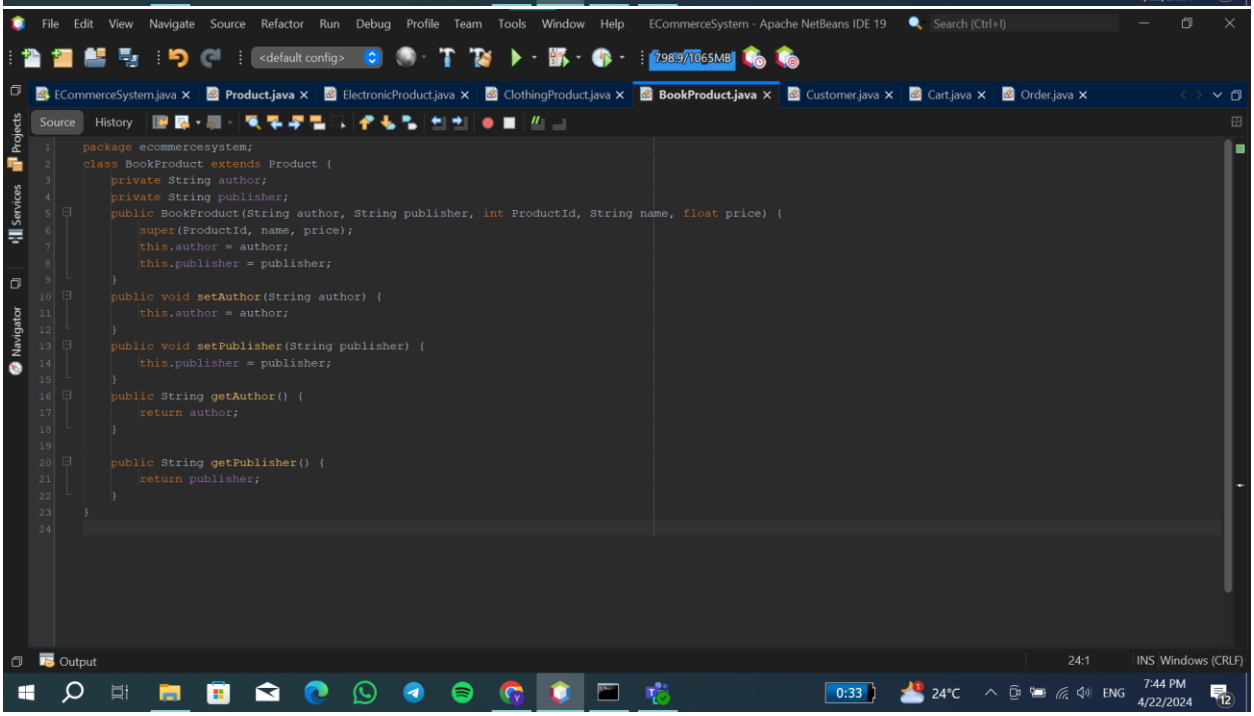
ECommerceSystem - Apache NetBeans IDE 19
Search (Ctrl+I)
<default config>
489.9/1065MB
ECommerceSystem.java
Product.java
ElectronicProduct.java
ClothingProduct.java
BookProduct.java
Customer.java
Cart.java
Order.java
Source
History
package ecommercesystem;
class ClothingProduct extends Product {
private String size;
private String fabric;
public ClothingProduct(String size, String fabric, int ProductId, String name, float price) {
super(ProductId, name, price);
this.size = size;
this.fabric = 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;
}}
Output
12:26
INS Windows (CRLF)
0:34
24°C
ENG
7:43 PM
4/22/2024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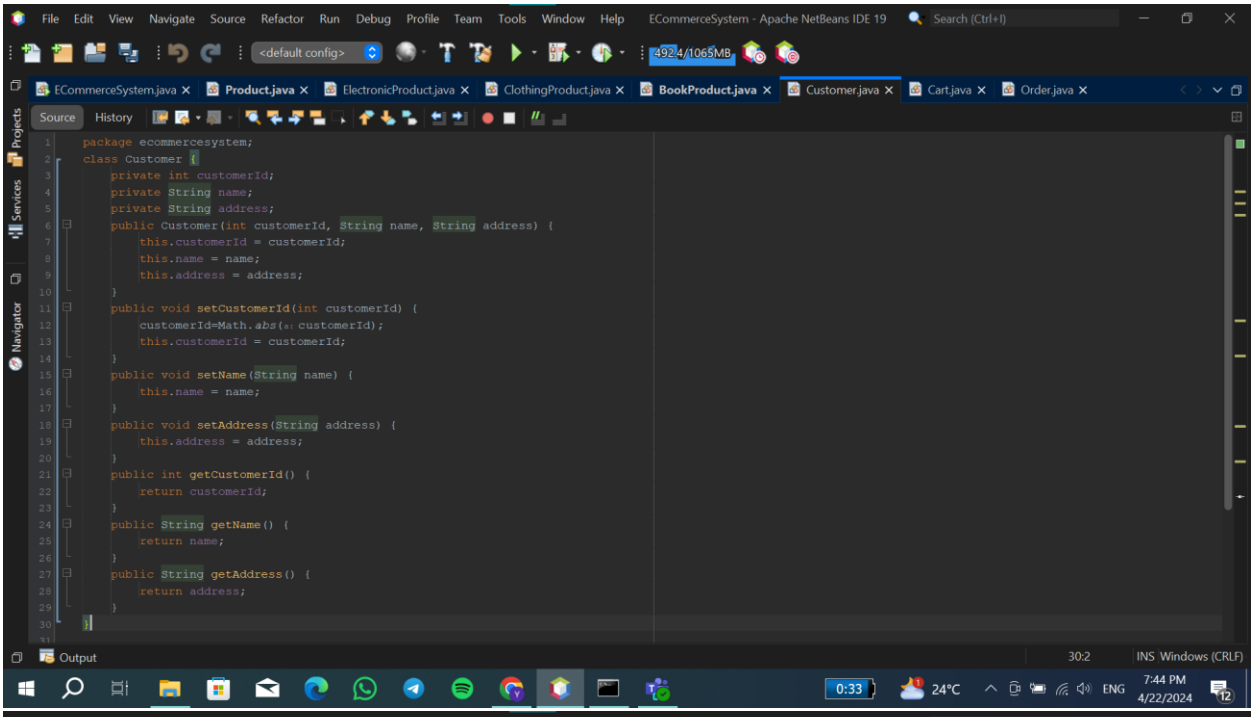
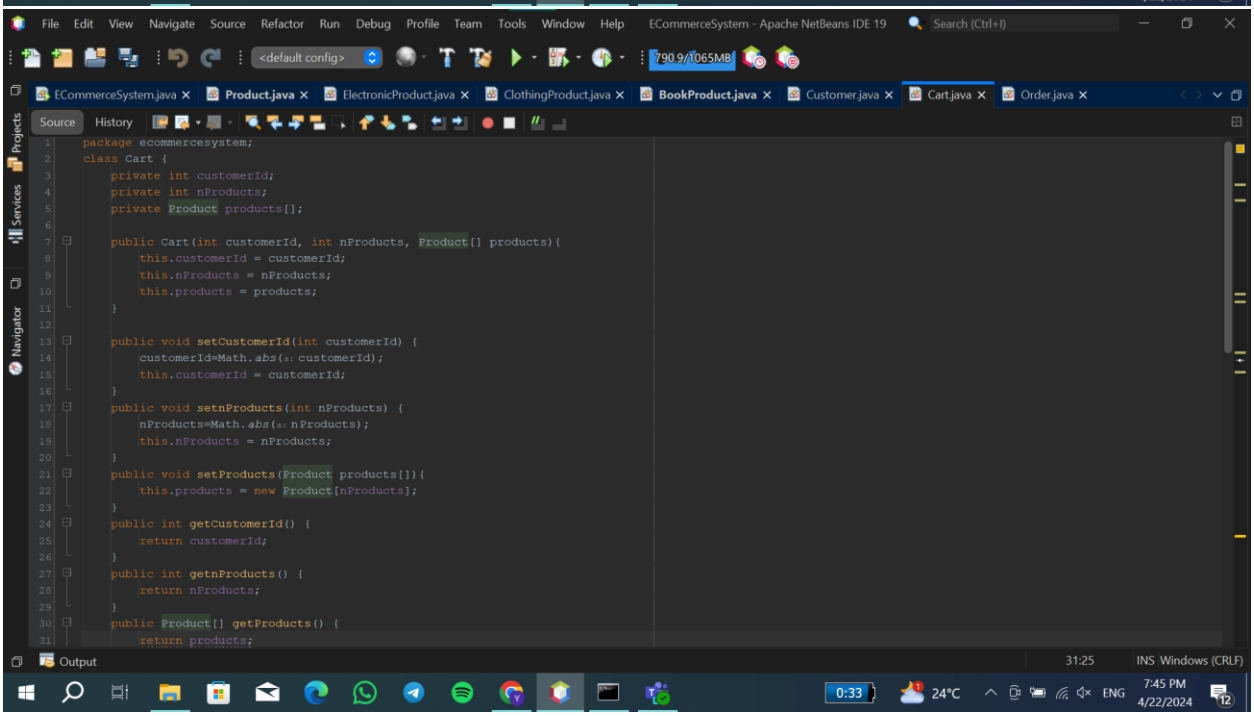
ECommerceSystem - Apache NetBeans IDE 19
Search (Ctrl+I)
<default config>
798.9/1065MB
ECommerceSystem.java
Product.java
ElectronicProduct.java
ClothingProduct.java
BookProduct.java
Customer.java
Cart.java
Order.java
Source
History
package ecommercesystem;
class BookProduct extends Product {
private String author;
private String publisher;
public BookProduct(String author, String publisher, int ProductId, String name, float price) {
super(ProductId, name, price);
this.author = author;
this.publisher = 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;
}
}
Output
24:1
INS Windows (CRLF)
0:33
24°C
ENG
7:44 PM
4/22/2024


File Edit View Navigate Source Refactor Run Debug Profile Team Tools Window Help
ECommerceSystem - Apache NetBeans IDE 19
Search (Ctrl+I)
<default config>
492.4/1065MB
ECommerceSystem.java
Product.java
ElectronicProduct.java
ClothingProduct.java
BookProduct.java
Customer.java
Cart.java
Order.java
Source
History
Projects
Services
Navigator
package ecommercesystem;
class Customer {
private int customerId;
private String name;
private String address;
public Customer(int customerId, String name, String address) {
this.customerId = customerId;
this.name = name;
this.address = address;
}
public void setCustomerId(int customerId) {
customerId=Math.abs(a: customerId);
this.customerId = customerId;
}
public void setName(String name) {
this.name = name;
}
public void setAddress(String address) {
this.address = address;
}
public int getCustomerId() {
return customerId;
}
public String getName() {
return name;
}
public String getAddress() {
return address;
}
}
Output
30:2
INS Windows (CRLF)
0:33
24°C
ENG
7:44 PM
4/22/2024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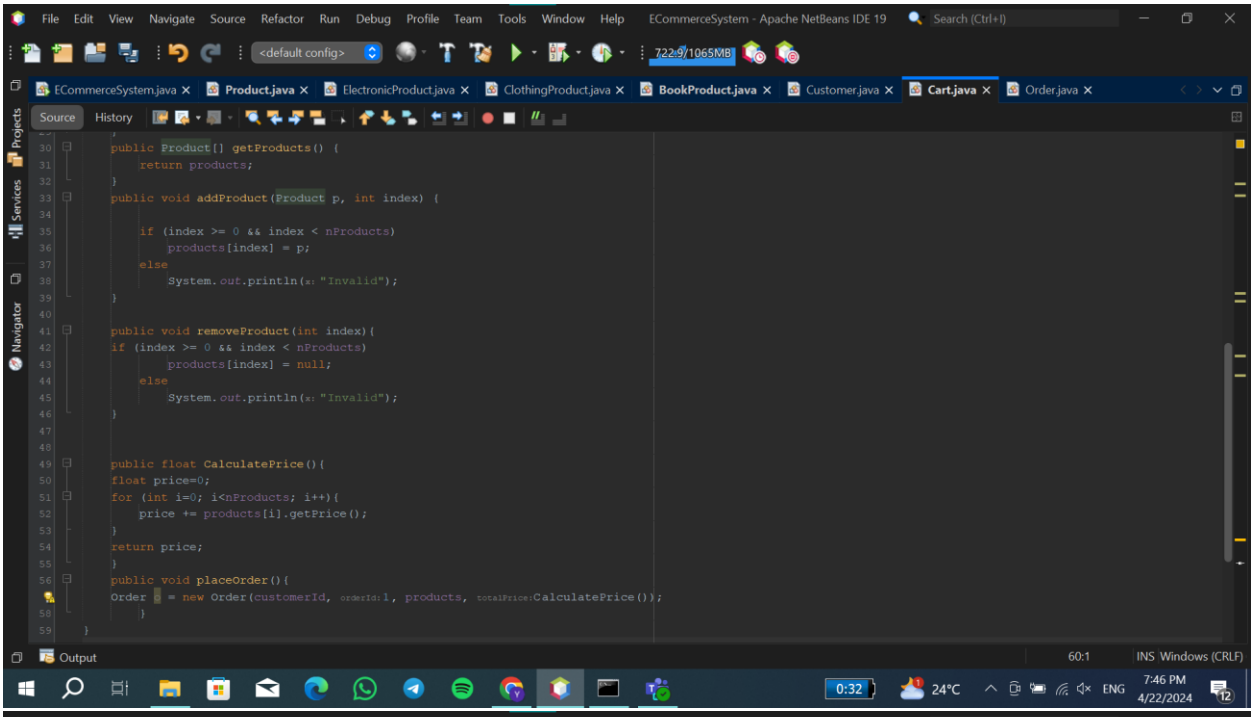
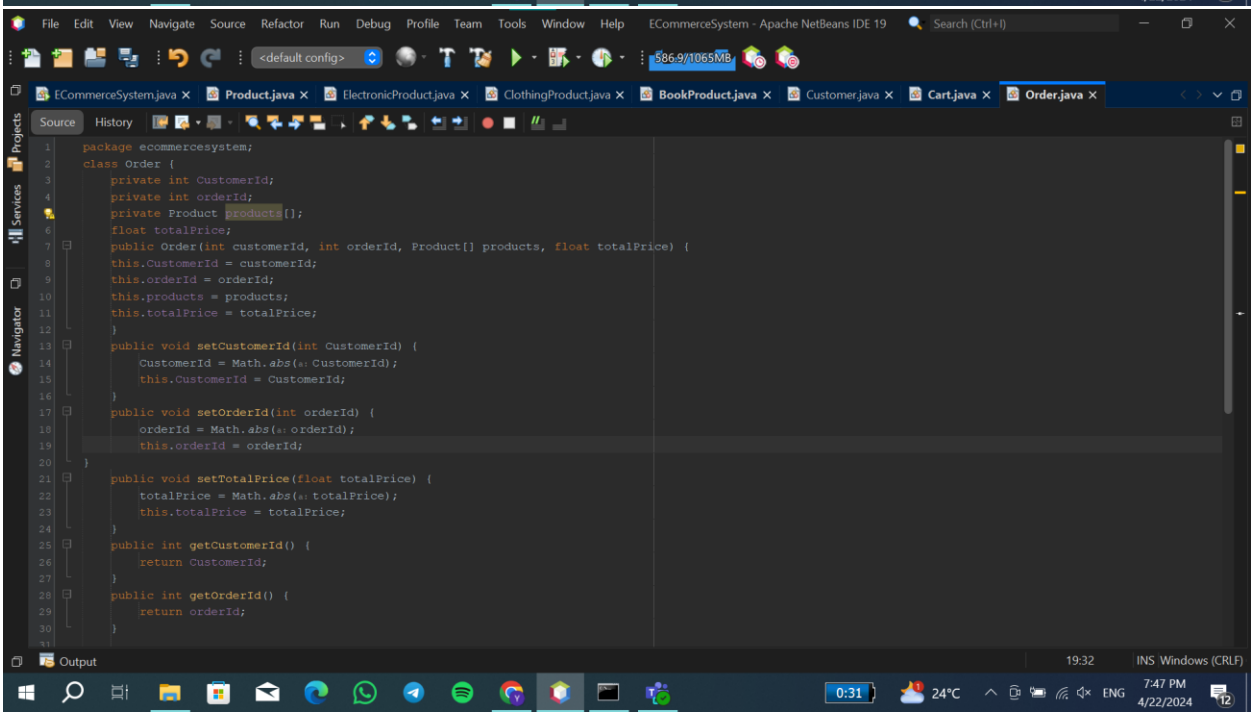
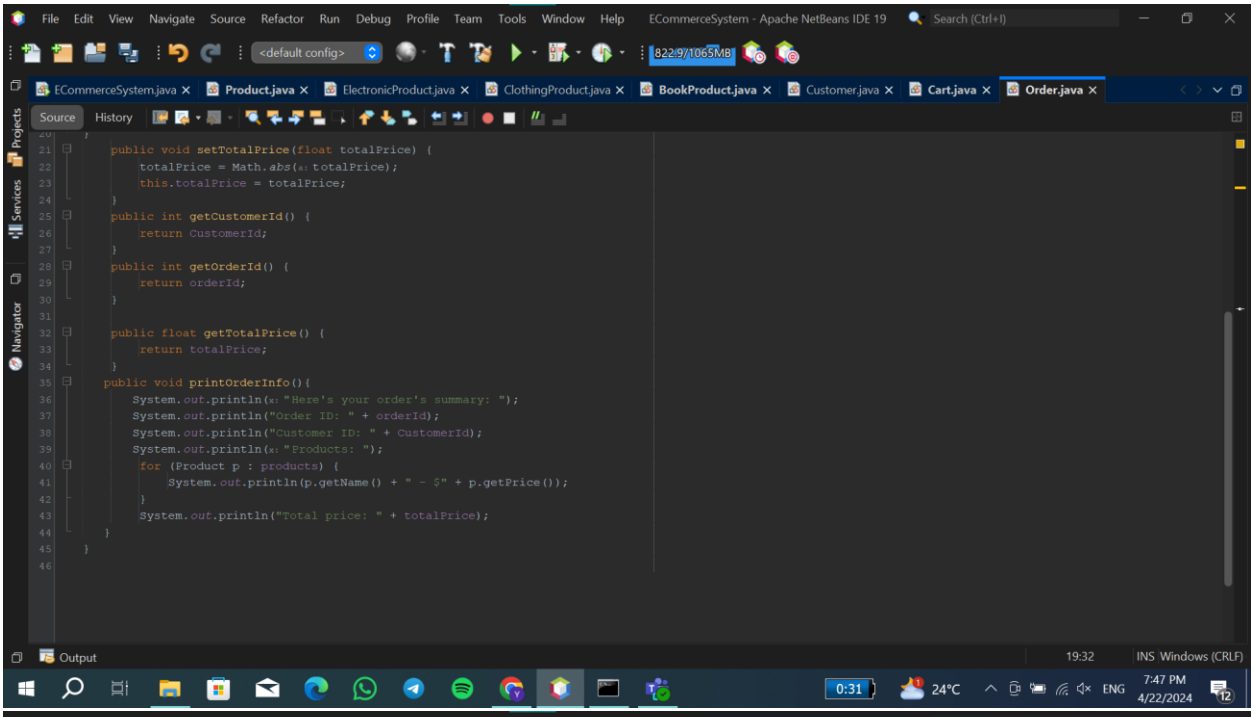
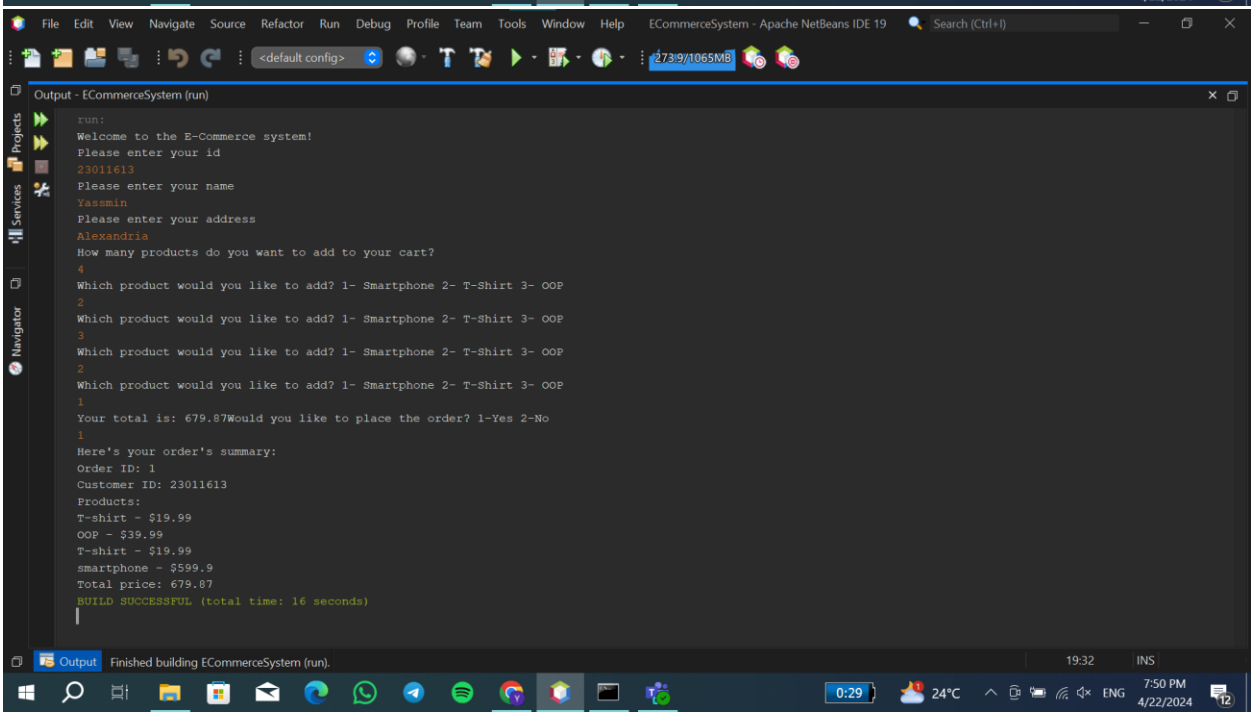
ECommerceSystem - Apache NetBeans IDE 19
Search (Ctrl+I)
<default config>
790.9/1065MB
ECommerceSystem.java
Product.java
ElectronicProduct.java
ClothingProduct.java
BookProduct.java
Customer.java
Cart.java
Order.java
Source
History
Projects
Services
Navigator
package ecommercesystem;
class Cart {
private int customerId;
private int nProducts;
private Product products[];
public Cart(int customerId, int nProducts, Product[] products){
this.customerId = customerId;
this.nProducts = nProducts;
this.products = products;
}
public void setCustomerId(int customerId) {
customerId=Math.abs(a: customerId);
this.customerId = customerId;
}
public void setnProducts(int nProducts) {
nProducts=Math.abs(a: nProducts);
this.nProducts = nProducts;
}
public void setProducts(Product products[]){
this.products = new Product[nProducts];
}
public int getCustomerId() {
return customerId;
}
public int getnProducts() {
return nProducts;
}
public Product[] getProducts() {
return products;
Output
31:25
INS Windows (CRLF)
0:33
24°C
ENG
7:45 PM
4/22/2024


File Edit View Navigate Source Refactor Run Debug Profile Team Tools Window Help ECommerceSystem - Apache NetBeans IDE 19
Search (Ctrl+I)
<default config>
722.9/1065MB
ECommerceSystem.java
Product.java
ElectronicProduct.java
ClothingProduct.java
BookProduct.java
Customer.java
Cart.java
Order.java
Source
History
public Product[] getProducts() {
return products;
}
public void addProduct(Product p, int index) {
if (index >= 0 && index < nProducts)
products[index] = p;
else
System.out.println(x: "Invalid");
}
public void removeProduct(int index){
if (index >= 0 && index < nProducts)
products[index] = null;
else
System.out.println(x: "Invalid");
}
public float CalculatePrice(){
float price=0;
for (int i=0; i<nProducts; i++){
price += products[i].getPrice();
}
return price;
}
public void placeOrder(){
Order o = new Order(customerId, orderId:1, products, totalPrice:CalculatePrice());
}
}
Output
60:1
INS Windows (CRLF)
0:32
24°C
ENG
7:46 PM
4/22/2024


File Edit View Navigate Source Refactor Run Debug Profile Team Tools Window Help ECommerceSystem - Apache NetBeans IDE 19
Search (Ctrl+I)
<default config>
586.9/1065MB
ECommerceSystem.java
Product.java
ElectronicProduct.java
ClothingProduct.java
BookProduct.java
Customer.java
Cart.java
Order.java
Source
History
package ecommercesystem;
class Order {
private int CustomerId;
private int orderId;
private Product products[];
float totalPrice;
public Order(int customerId, int orderId, Product[] products, float totalPrice) {
this.CustomerId = customerId;
this.orderId = orderId;
this.products = products;
this.totalPrice = totalPrice;
}
public void setCustomerId(int CustomerId) {
CustomerId = Math.abs(a: CustomerId);
this.CustomerId = CustomerId;
}
public void setOrderId(int orderId) {
orderId = Math.abs(a: orderId);
this.orderId = orderId;
}
public void setTotalPrice(float totalPrice) {
totalPrice = Math.abs(a: totalPrice);
this.totalPrice = totalPrice;
}
public int getCustomerId() {
return CustomerId;
}
public int getOrderId() {
return orderId;
}
Output
19:32
INS Windows (CRLF)
0:31
24°C
ENG
7:47 PM
4/22/2024


File Edit View Navigate Source Refactor Run Debug Profile Team Tools Window Help ECommerceSystem - Apache NetBeans IDE 19
Search (Ctrl+I)
<default config>
822.9/1065MB
ECommerceSystem.java
Product.java
ElectronicProduct.java
ClothingProduct.java
BookProduct.java
Customer.java
Cart.java
Order.java
Source History
public void setTotalPrice(float totalPrice) {
totalPrice = Math.abs(totalPrice);
this.totalPrice = totalPrice;
}
public int getCustomerId() {
return CustomerId;
}
public int getOrderId() {
return orderId;
}
public float getTotalPrice() {
return totalPrice;
}
public void printOrderInfo(){
System.out.println("Here's your order's summary: ");
System.out.println("Order ID: " + orderId);
System.out.println("Customer ID: " + CustomerId);
System.out.println("Products: ");
for (Product p : products) {
System.out.println(p.getName() + " - $" + p.getPrice());
}
System.out.println("Total price: " + totalPrice);
}
}
Output
19:32
INS Windows (CRLF)
0:31
24°C
ENG
7:47 PM
4/22/2024


File Edit View Navigate Source Refactor Run Debug Profile Team Tools Window Help ECommerceSystem - Apache NetBeans IDE 19
Search (Ctrl+I)
<default config>
273.9/1065MB
Output - ECommerceSystem (run)
run:
Welcome to the E-Commerce system!
Please enter your id
23011613
Please enter your name
Yassmin
Please enter your address
Alexandria
How many products do you want to add to your cart?
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 is: 679.87Would you like to place the order? 1-Yes 2-No
1
Here's your order's summary:
Order ID: 1
Customer ID: 23011613
Products:
T-shirt - $19.99
OOP - $39.99
T-shirt - $19.99
smartphone - $599.9
Total price: 679.87
BUILD SUCCESSFUL (total time: 16 seconds)
Output
Finished building ECommerceSystem (run).
19:32
INS
0:29
24°C
ENG
7:50 PM
4/22/2024