

```
import product.a.Product;
```

```
public class Main2345 {
```

```
}
```

```
public static void main(String[] args) {
```

```
    Scanner scanner = new Scanner(System.in);
```

```
    // Create products
```

```
    ElectronicProduct electronicProduct = new ElectronicProduct(1, "Smartphone", (float) 599.9, "Samsung", 1);
```

```
    ClothingProduct clothingProduct = new ClothingProduct(2, "T-shirt", (float) 19.99, "Medium", "Cotton");
```

```
    BookProduct bookProduct = new BookProduct(3, "OOP", (float) 39.99, "O'Reilly", "X Publications");
```

```
    // Ask user for their data
```

```
    System.out.println("Enter your customer ID:");
```

```
    int customerId = Math.abs(scanner.nextInt());
```

```
    System.out.println("Enter your name:");
```

```
    scanner.nextLine(); // Consume newline left-over
```

```
    String name = scanner.nextLine();
```

```
    System.out.println("Enter your address:");
```

```
    String address = scanner.nextLine();
```

```
    // Create a customer
```

```
Customer customer = new Customer(customerId, name, address);

// Create a shopping cart for the customer
Cart cart = new Cart(customerId);

// Ask the user how many products they want to order
System.out.println("How many products do you want to order?");
int numProducts = Math.abs(scanner.nextInt());
cart.setNProducts(numProducts);

// Add products to the cart
for (int i = 0; i < numProducts; i++) {
    System.out.println("Enter the product ID to add to the cart (1 for electronic, 2 for
clothing, 3 for book):");

    int productId = Math.abs(scanner.nextInt());
    Product product = null;
    switch (productId) {
        case 1:
            product = electronicProduct;
            break;
        case 2:
            product = clothingProduct;
            break;
        case 3:
            product = bookProduct;
            break;
    }
}
```

```
        default:

            System.out.println("Invalid product ID.");

            i--; // Decrement i to retry adding a valid product

            continue;

        }

        cart.addProduct(product);

    }

    // Ask the user if they want to place an order

    System.out.println("Do you want to place an order for these products? (yes/no)");

    String answer = scanner.next();

    if ("yes".equalsIgnoreCase(answer)) {

        Order order = cart.placeOrder();

        order.printOrderInfo();

    } else {

        System.out.println("Order not placed.");

    }

    scanner.close();

}

}
```