**Java core classes**

**package** software;

**public** **class** product {

**private** **int** productId;

**private** String name;

**private** **double** details;

**private** **double** price;

product(**int** productId,String name,**double** details,**double** price)

{

**this**.productId=productId;

**this**.name=name;

**this**.details=details;

**this**.price=price;

}

**public** **int** getProductId() {

**return** productId;

}

**public** **void** setProductId(**int** productId) {

**this**.productId = productId;

}

**public** String getName() {

**return** name;

}

**public** **void** setName(String name) {

**this**.name = name;

}

**public** **double** getDetails() {

**return** details;

}

**public** **void** setDetails(**double** details) {

**this**.details = details;

}

**public** **double** getPrice() {

**return** price;

}

**public** **void** setPrice(**double** price) {

**this**.price = price;

}

**public** String showDetails()

{

**return** (productId+","+name+"," +details+"," +price);

}

}

**package** software;

**import** java.util.Scanner;

**public** **class** productTest {

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

Scanner sc=**new** Scanner(System.***in***);

System.***out***.println("enter the new product details:");

**int** productId=sc.nextInt();

String name =sc.next();

**double** details=sc.nextDouble();

**double** price=sc.nextDouble();

product p2=**new** product(productId,name,details,price);

System.***out***.println(p2.showDetails());

}

}

**package** software;

**public** **class** customer {

**private** String name;

**private** String Address;

**private** **double** MobNo;

**private** String Email;

customer(String name,String Address,**double** MobNo,String Email)

{

**this**.name=name;

**this**.Address=Address;

**this**.MobNo=MobNo;

**this**.Email=Email;

}

**public** String getName() {

**return** name;

}

**public** **void** setName(String name) {

**this**.name = name;

}

**public** String getAddress() {

**return** Address;

}

**public** **void** setAddress(String address) {

Address = address;

}

**public** **double** getMobNo() {

**return** MobNo;

}

**public** **void** setMobNo(**double** mobNo) {

MobNo = mobNo;

}

**public** String getEmail() {

**return** Email;

}

**public** **void** setEmail(String email) {

Email = email;

}

**public** String showDetails()

{

**return** (name+"," +Address+"," +MobNo+","+Email);

}

}

**package** software;

**import** java.util.Scanner;

**public** **class** TestCustomer {

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

Scanner sc=**new** Scanner(System.***in***);

System.***out***.println("enter the new product details:");

String name=sc.next();

String Address=sc.next();

**double** MobNo=sc.nextDouble();

String Email=sc.next();

customer c2=**new** customer(name,Address,MobNo,Email);

System.***out***.println(c2.showDetails());

}

}

**package** software;

**public** **class** ShoppingCart {

**private** String Product;

**private** **int** NoOfItems;

ShoppingCart(String Product,**int** NoOfItems)

{

**this**.Product=Product;

**this**.NoOfItems=NoOfItems;

}

**public** String getProduct() {

**return** Product;

}

**public** **void** setProduct(String product) {

Product = product;

}

**public** **int** getNoOfItems() {

**return** NoOfItems;

}

**public** **void** setNoOfItems(**int** noOfItems) {

NoOfItems = noOfItems;

}

**public** String AddToCart()

{

**return** (Product+"," +NoOfItems);

}

**public** String RemFromCart()

{

**return** (Product+"," +NoOfItems);

}

**public** String GetCartItems()

{

**return** (Product+"," +NoOfItems);

}

}

**package** software;

**import** java.util.Scanner;

**public** **class** TestShoppingCart {

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

Scanner sc=**new** Scanner(System.***in***);

System.***out***.println("enter the new customer details:");

String product=sc.next();

**int** NoOfItems =sc.nextInt();

ShoppingCart s1=**new** ShoppingCart(product,NoOfItems);

System.***out***.println(s1.AddToCart());

System.***out***.println(s1.RemFromCart());

System.***out***.println(s1.GetCartItems());

}

}