Order.java

**package** com;

**public** **class** Order {

**private** **int** orderId;

**private** String itemName;

**private** String category;

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

**private** **double** insuranceAmount;

**public** Order(**int** orderId, String itemName, String category, **double** price, **double** insuranceAmount) {

**super**();

**this**.orderId = orderId;

**this**.itemName = itemName;

**this**.category = category;

**this**.price = price;

**this**.insuranceAmount = insuranceAmount;

}

**public** **int** getOrderId() {

**return** orderId;

}

**public** **void** setOrderId(**int** orderId) {

**this**.orderId = orderId;

}

**public** String getItemName() {

**return** itemName;

}

**public** **void** setItemName(String itemName) {

**this**.itemName = itemName;

}

**public** String getCategory() {

**return** category;

}

**public** **void** setCategory(String category) {

**this**.category = category;

}

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

**return** price;

}

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

**this**.price = price;

}

**public** **double** getInsuranceAmount() {

**return** insuranceAmount;

}

**public** **void** setInsuranceAmount(**double** insuranceAmount) {

**this**.insuranceAmount = insuranceAmount;

}

}

OrderDemo.java

**package** com;

**public** **class** OrderDemo {

**static** **double** *sum1*=0.0;

**static** **double** *sum2*=0.0;

**public** **static** **double** calculateTotalPrice(Order[] o) {

**for**(Order od:o) {

**if**(od.getCategory().equalsIgnoreCase("Car")) {

**double** on\_road\_price = od.getPrice()+od.getInsuranceAmount() + ((od.getPrice()/100)\*7);

*sum1* = *sum1* + on\_road\_price;

}

**if** (od.getCategory().equalsIgnoreCase("Bike")) {

**double** on\_road\_price1 = od.getPrice()+od.getInsuranceAmount() + ((od.getPrice()/100)\*10);

*sum2* = *sum2* + on\_road\_price1;

}

}

**double** result=*sum1*+*sum2*;

**return** result;

}

**public** **static** Order[] findOrderByCategory(Order[] or,String s) {

**int** count =0;

**for**(Order oe:or) {

**if**(oe.getCategory().equalsIgnoreCase(s)) {

count++;

}

}

**int** i=0;

Order[] order = **new** Order[count];

**for**(Order op:or) {

**if**(op.getCategory().equalsIgnoreCase(s)) {

order[i]=op;

i++;

}

}

**return** order;

}

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

// **TODO** Auto-generated method stub

Order[] orderList = **new** Order[5];

orderList[0] = **new** Order(1234, "Scooty", "Bike", 30000, 1000);

orderList[1] = **new** Order(1235, "Activa", "Bike", 40000, 1000);

orderList[2] = **new** Order(1236, "Splendour", "Bike", 55000, 1000);

orderList[3] = **new** Order(1237, "Swift", "Car", 250000, 2000);

orderList[4] = **new** Order(1238, "Alto", "Car", 200000, 7000);

**double** totalPrice = OrderDemo.*calculateTotalPrice*(orderList);

System.***out***.println(totalPrice);

Order[] orderCategory = OrderDemo.*findOrderByCategory*(orderList,"Car");

**for**(Order order:orderCategory)

System.***out***.println(order.getOrderId() + order.getItemName() +order.getCategory() + order.getPrice()+ order.getInsuranceAmount());

}

}