LAB04

1. Working with method overloading

Aims.java

public class Aims {

    public static void main(String[] args) {

        Order anOrder = new Order();

        DigitalVideoDisc[] A = new DigitalVideoDisc[4];

        DigitalVideoDisc dvd1 = new DigitalVideoDisc("The Lion King");

        dvd1.setCategory("Animation");

        dvd1.setCost(19.95f);

        dvd1.setDirector("Roger Allers");

        dvd1.setLength(87);

        // add the dvd to the order

        DigitalVideoDisc dvd2 = new DigitalVideoDisc("Star Wars");

        dvd2.setCategory("Science Fiction");

        dvd2.setCost(24.95f);

        dvd2.setDirector("George Lucas");

        dvd2.setLength(124);

        // add the dvd to the order

        DigitalVideoDisc dvd3 = new DigitalVideoDisc("Alladin");

        dvd3.setCategory("Animation");

        dvd3.setCost(18.99f);

        dvd3.setDirector("John Musker");

        dvd3.setLength(90);

        // add the dvd to the order

        A[0] = dvd1;

        A[1] = dvd2;

        A[2] = dvd3;

        // anOrder.in();

        anOrder.addDigitalVideoDisc(A);

        System.out.println("The Cost is : " + anOrder.totalCost());

        // System.out.println(A[0].getTitle());

    }

}

Order.java

import java.sql.Array;

public class Order {

    private int qtyOrdered = 0;

    private static int nbOrders = 0;

    public int getQtyOrdered() {

        return qtyOrdered;

    }

    public void setQtyOrdered(int qtyOrdered) {

        this.qtyOrdered = qtyOrdered;

    }

    public static final int MAX\_NUMBERS\_ORDERS = 10;

    public static final int MAX\_LIMITED\_ORDERS = 5;

    private DigitalVideoDisc itemsOrdered[] = new DigitalVideoDisc[MAX\_NUMBERS\_ORDERS];

    public void addDigitalVideoDisc(DigitalVideoDisc disc) {

        itemsOrdered[qtyOrdered] = disc;

        qtyOrdered++;

    }

    public void addDigitalVideoDisc(DigitalVideoDisc[] dvdList) {

        // System.out.println(dvdList[qtyOrdered].getTitle());

        int dem = 0;

        while (qtyOrdered < MAX\_NUMBERS\_ORDERS && dem + 1 < dvdList.length) {

            DigitalVideoDisc disc = new DigitalVideoDisc(dvdList[dem].getTitle());

            disc.setCost(dvdList[dem].getCost());

            disc.setCategory(dvdList[dem].getCategory());

            disc.setDirector(dvdList[dem].getDirector());

            disc.setLength(dvdList[dem].getLength());

            itemsOrdered[qtyOrdered] = disc;

            dem++;

            qtyOrdered++;

        }

        if (qtyOrdered + dem > MAX\_NUMBERS\_ORDERS) {

            System.out.println("Khong the them vao don hang !!!");

        }

    }

    public void addDigitalVideoDisc(DigitalVideoDisc dvd1, DigitalVideoDisc dvd2) {

    }

    public float totalCost() {

        float cost = 0;

        for (int a = 0; a < qtyOrdered; a++) {

            cost += itemsOrdered[a].getCost();

        }

        return cost;

    }

    public void remoteDigitalVideoDisc() {

        for (int a = 0; a < qtyOrdered; a++) {

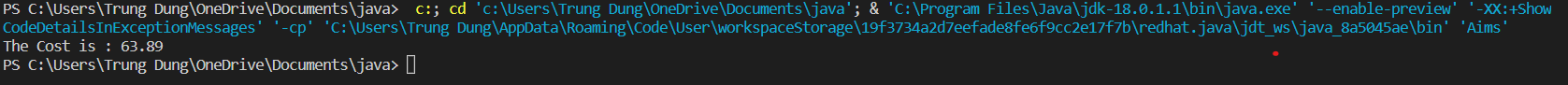
            itemsOrdered[a] = null;

        }

    }

}

Kết quả :



1. Passing parameter
2. public class TestPassingParmeter {
3. public static void main(String[] args) {
4. // Todo Auto-generated method stub
5. DigitalVideoDisc jungleDVD = new DigitalVideoDisc("Jungle");
6. DigitalVideoDisc cinderellaDVD = new DigitalVideoDisc("Cinderella");
7. swap(jungleDVD, cinderellaDVD);
8. System.out.println("jungle dvd title : " + jungleDVD.getTitle());
9. System.out.println("cinderella dvd title :" + cinderellaDVD.getTitle());
10. // changTitle(jungleDVD, cinderellaDVD.getTitle());
11. // System.out.println("jungle dvd title : " + jungleDVD.getTitle());
12. }
13. public static void swap(DigitalVideoDisc o1, DigitalVideoDisc o2) {
14. DigitalVideoDisc tmp = new DigitalVideoDisc(o1.getTitle());
15. o1.setTitle(o2.getTitle());
16. o2.setTitle(tmp.getTitle());
17. o1.setCategory(o2.getCategory());
18. o2.setCategory(o1.getCategory());
19. o1.setCost(o2.getCost());
20. o2.setCost(o1.getCost());
21. o1.setDirector(o2.getDirector());
22. o2.setDirector(o1.getDirector());
23. o1.setLength(o2.getLength());
24. o2.setLength(o1.getLength());
25. }
26. public static void changTitle(DigitalVideoDisc dvd, String title) {
27. String oldTitle = dvd.getTitle();
28. dvd.setTitle(title);
29. dvd = new DigitalVideoDisc(oldTitle);
30. }
31. }

Kết quả :

