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19cse023

Lab 2 exercise

1.Invoice item

package labex2;

import java.util.Scanner;

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\* @author Desktop Pc

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public class invoice {

public static void main(String[] args) {

Scanner obj = new Scanner(System.in);

invoiceprogram1 a1 = new invoiceprogram1("One", "Grade1", 100, 780);

System.out.println(a1.getid());

System.out.println(a1.getdesc());

System.out.println(a1.getqty());

a1.setqty(90);

System.out.println(a1.getunitprice());

a1.setunitprice(1670);

System.out.println(a1.gettotal());

System.out.println(a1);

invoiceprogram1 a2 = new invoiceprogram1("Two", "Grade2", 30, 850);

System.out.println(a2.getid());

System.out.println(a2.getdesc());

System.out.println(a2.getqty());

a1.setqty(880);

System.out.println(a2.getunitprice());

a1.setunitprice(30);

System.out.println(a2.gettotal());

System.out.println(a2);

}

}

class invoiceprogram1 {

String id;

String desc;

int qty;

double unitprice;

invoiceprogram1(String a, String b, int c, double d) {

id = a;

desc = b;

qty = c;

unitprice = d;

}

String getid() {

return id;

}

String getdesc() {

return desc;

}

int getqty() {

return qty;

}

void setqty(int n1) {

qty = n1;

}

double getunitprice() {

return unitprice;

}

void setunitprice(double m1) {

unitprice = m1;

}

double gettotal() {

return unitprice \* qty;

}

public String tostring() {

return "\nID" + id + "Desc" + desc + "Qty" + qty + "Unitprice" + unitprice;

}

}

2.Students grade

package labex2;

import java.util.\*;

class Student{

int a,b,c,d,e;

String Grade;

int gradepoints;

String lettergrade;

void getmarks()

{

Scanner obj=new Scanner(System.in);

System.out.println("Enter Mark of the subject 1");

a=obj.nextInt();

System.out.println("Enter Mark of the subject 2");

b=obj.nextInt();

System.out.println("Enter Mark of the subject 3");

c=obj.nextInt();

System.out.println("Enter Mark of the subject 4");

d=obj.nextInt();

System.out.println("Enter Mark of the subject 5");

e=obj.nextInt();

}

void caltotal()

{

double avg=((a+b+c+d+e)/5);

if((avg<=100) && (avg>=91)){

Grade="Outstanding";

gradepoints=10;

lettergrade="O";

}

else if((avg<=90) && (avg>=81))

{

Grade="Excellent";

gradepoints=9;

lettergrade="A+";

}

else if(avg<=80 && avg>=71)

{

Grade="VeryGood";

gradepoints=8;

lettergrade="A";

}

else if(avg<=70 && avg>=61)

{

Grade="Good";

gradepoints=7;

lettergrade="B+";

}

else if((avg<=60) && (avg>=51))

{

Grade="Average";

gradepoints=6;

lettergrade="B";

}

else if(avg<50)

{

gradepoints=0;

lettergrade="RA";

}

}

void displaygrade()

{

System.out.println("Total mark of the student:"+(a+b+c+d+e));

System.out.println("average mark of the student:"+(a+b+c+d+e)/5);

System.out.println("Grade:"+ Grade);

System.out.println("Grade points:"+gradepoints);

System.out.println("Letter Grade:"+lettergrade);

}

}

/\*

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\* @author Desktop Pc

\*/

public class gradeprgm {

public static void main(String[] args){

Student obj=new Student();

obj=new Student();

obj.getmarks();

obj.caltotal();

obj.displaygrade();

}

}