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Lớp : K10\_ĐHCNTT3

Lab 03

Câu 1:

* Lớp Point2D

package lab03;

public class Point2D {

private float x;

private float y;

public Point2D {

this.x = 0.0f;

this.y = 0.0f;

}

public Point2D(float x, float y) {

this.x = x;

this.y = y;

}

public float getX() {

return x;

}

public float getY() {

return y;

}

}

* Lớp Triangle

public class Triangle {

private float Width;

private float Hegth;

private float floatHegth;

private float floatWigth;

private String Height;

private String Width;

public Triangle(){

this.floatWigth = 0.0f;

this.floatHegth = 0.0f;

}

public Triangle(float Width, float Hegth) {

int Height;

int Wighth;

int dientich;

this.Width = Width;

this.Hegth = Hegth;

}

public float getWidth() {

return Width;

}

public void setWidth(float Width) {

this.Width = Width;

}

public float getHegth() {

return Hegth;

}

public void setHegth(float Hegth) {

this.Hegth = Hegth;

}

public String toString() {

float dientich = (this.Width\*this.Hegth)/2;

return ("Triangle (Width = " + this.width + ", Height = " + this.height + ")");

}

}

* Lớp Fraction

public class Faction {

private int numerator; // tu so

private int denominator; // mau so

private static class numerator {

private int numerator;

public numerator() {

boolean x = this. numerator >=0;;

}

}

private static class denominator {

private int denominator;

public denominator() {

boolean y = this.denominator !=0;

}

}

public Fraction(int num,int den){

if(den==0){

System.out.println("Mau so phai khac 0");

int x = 1;

int y = 0;

}

else {

System.out.println(" Phan so la :");

}

}

public Fraction(Fraction f){

int x = f.denominator;

int y = f.numerator;

}

public Fraction add (Fraction f, Fraction Fraction){

int x;

int y;

int a = x\*f.denominator + y\*f.numerator;

int b = y\*f.denominator;

return new Fraction (a,b);

}

public Fraction sub (Faction f,Fraction Fraction){

int x;

int y;

int c = x\*f.denominator - y\*f.numerator;

int d = y\*f.denominator;

return new subFraction (c, d));

}

public Fraction mul (Faction f,Fraction Fraction){

int x;

int y;

int e = x\*f.denominator;

int g = y\*f.numerator;

return new Fraction(e,g);

}

public Fraction div (Faction f,Fraction Fraction){

int x;

int y;

int i = x\*f.denominator;

int k = y\*f.numerator;

return new Fraction(i,k);

}

public void reducer(){

int x;

int y;

if (x==0 || y==0){

x=x+y;

}

else{

while (x !=y){

x=x-y;

}

y=y-x;

}

}

public String toString(String y){

return("Fration [num='"+x+"", den =+"+y+"]");

}

}

Câu 2:

* Student

public class Student {

private String stID;

private String stName;

private String stClass;

public Student(){

this.stID = " ";

this.stName = " ";

this.stClass = " ";

}

public Student(stID:String, stName: String, stClass:String){

this.stID= stID;

this.stName = stName;

this.stClass = stClass;

}

public Student(Student st){

this.stID= stID;

this.stName = stName;

this.stClass = stClass;

}

public String getStID(){

this.stID= stID;

return null;

}

public String getStName(){

this.stName = stName;

return null;

}

public String getStClass(){

this.stClass = stClass;

return null;

}

public void setStID( String id){

this.stID= id;

}

public void setStName( String Name){

this.stName= Name;

}

public void setStClass( String Class){

this.stClass= Class;

}

public String toString() {

return ("Student [ID : " + this.stID + ", Name : " + this.stName + ", Class : " + this.stClass + "]");

}

}

* Book

public class Book {

private String boCode;

private String boTitle;

private String boAuthor;

public Book(){

}

public Book(String boCode, String boTitle, String boAuthor){

this.boCode = boCode;

this.boTitle = boTitle;

this.boAuthor = boAuthor;

}

public Book (Book bo){

this.boCode = bo.boCode;

this.boTitle = bo.boTitle;

this.boAuthor = bo.boAuthor;

}

public String getboCode(){

return this.boCode;

}

public String getboTitle(){

return this.boTitle;

}

public String getboAuthor(){

return this.boAuthor;

}

}

Bài tập về nhà

Câu 1:

* Hình tròn

public class hinhtron {

private float banKinh;

public hinhtron(float banKinh){

if (banKinh>0){

this.banKinh = banKinh;

}

}

public float getbanKinh(){

return this.banKinh;

}

public void setbanKinh(float banKinh){

if (banKinh>0){

this.banKinh = banKinh;

}

}

}

* Hình vuông

/\*

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package lab03;

/\*\*

\*

\* @author ADMIN

\*/

public class hinhvuong {

private double canh;

public hinhvuong (double canh){

if (canh>0){

this.canh= canh;

}

}

public double getcanh(){

return this.canh;

}

public void setcanh (double canh){

if (canh>0){

this.canh= canh;

}

}

}

public class Vector {

private float x, y;

public Vector() {

}

public Vector(float x, float y) {

this.x = x;

this.y = y;

}

public Vector congVector(Vector v) {

return new Vector(this.x + v.x, this.y + v.y);

}

public Vector truVector(Vector v) {

return new Vector(this.x - v.x, this.y - v.y);

}

public void nhanVoiHangSo(float hangSo) {

float a = this.x \* hangSo;

float b = this.y \* hangSo;

System.out.println("Ket qua phep nhan :");

System.out.println("Vector (" + a + "," + b + ")");

}

public double tichVoHuongHaiVector(Vector v) {

double tong = ((this.x \* v.x) + (this.y \* v.y));

return tong;

}

}

* NhanVien

/\*

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package lab03;

/\*\*

\*

\* @author ADMIN

\*/

public class NhanVien {

private String tenNV;

private double luongCB;

private double heSoLuong;

private double luong\_MAX;

public NhanVien (String tenNV, double luongCB, double heSoLuong, double Luong\_Max) {

if (luongCB>0){

this.luongCB = luongCB;

}

if (heSoLuong >0){

this.heSoLuong = heSoLuong;

}

if (luong\_MAX >0) {

this.luong\_MAX = luong\_MAX;

}

}

public void setluongCB(double luongCB){

if (luongCb >0){

this.luongCB = luongCB;

}

}

public double getluongCB(double luongCB){

return this.luongCB;

}

public void setheSoLuong(double heSoLuong){

if (heSoLuong >0){

this.heSoLuong = heSoLuong;

}

}

public double getheSoLuong(double heSoLuong){

return this.heSoLuong;

}

public void setluong\_MAX(double luong\_MAX){

if (luongCB >0){

this.luong\_MAX = luong\_MAX;

}

}

public double getlUONG\_MAX(double luong\_MAX){

return this.luong\_MAX;

}

public double tinhLuong(){

double tinhLuong = luongCB\*heSoLuong;

return 0;

}

public double tangLuong(){

if (heSoLuong\*luongCB>luong\_MAX){

System.out.print("Khong cho phep thay doi muc luong");

return false;

}

System.out.println(" muc luong duoc phep thay doi ");

return true;

}

public void inTTin(){

System.out.println("TenNV:"+ this.tenNV());

System.out.println("luongCB:"+ this.luongCB());

System.out.println("heSoLuong:"+ this.heSoLuong());

System.out.println("luong\_MAX:"+ this.luong\_MAX());

System.out.println("tangLuong:"+ this.tangLuong());

System.out.println("Luong:"+ tinhLuong());

}

}