# BÀI 2

## //Class Hinh

package LAB7\_luyentap\_chuong5;

public class Hinh {

public Hinh(){

}

public double dienTich(){

return 0;

}

}

## //Class HinhChuNhat kế thừa Class Hinh

package LAB7\_luyentap\_chuong5;

public class HinhChuNhat extends Hinh{

private float cd;

private float cr;

public HinhChuNhat(){

}

public HinhChuNhat(float cd, float cr) {

this.cd = cd;

this.cr = cr;

}

@Override

public double dienTich(){

float dientich = this.cd \* this.cr;

return dientich;

}

@Override

public String toString() {

return "HinhChuNhat{" + "cd=" + cd + ", cr=" + cr + '}' ;

}

public void in(){

System.out.println(this.toString());

System.out.println("dien tich hinh chu nhat: " +dienTich());

}

## //Class HinhTron kế thừa Class Hinh

package LAB7\_luyentap\_chuong5;

public class HinhTron extends Hinh{

private float r;

final float pi = (float) 3.14;

public HinhTron(){

}

public HinhTron(float r) {

this.r = r;

}

public float getR() {

return r;

}

public void setR(float r) {

this.r = r;

}

@Override

public double dienTich(){

double dientich = this.r \* this.pi;

return dientich;

}

@Override

public String toString() {

return "HinhTron{" + "r=" + r + ", pi=" + pi + '}';

}

public void in(){

System.out.println(toString());

System.out.println("dien tich hinh tron: "+dienTich());

}

## //DanhSachHinh

package LAB7\_luyentap\_chuong5;

import java.util.ArrayList;

import java.util.Scanner;

public class Bai2\_DanhSachHinh {

ArrayList<Hinh> DanhSachHinh;

Scanner sc;

Hinh h;

public Bai2\_DanhSachHinh(){

super();

DanhSachHinh = new ArrayList<Hinh>();

sc = new Scanner(System.in);

}

public void nhap(){

System.out.print("So luong can them: ");

int n = sc.nextInt();

for ( int i=0; i<n; i++){

System.out.println("1. Hinh Chu Nhat");

System.out.println("2. Hinh Tron");

System.out.println("3. Thoat");

System.out.print("lua chon cua ban: ");

int chon;

chon = sc.nextInt();

switch(chon){

case 1:

float cd;

float cr;

System.out.print("nhap chieu dai: ");

cd = sc.nextFloat();

System.out.print("nhap chieu rong: ");

cr = sc.nextFloat();

HinhChuNhat hcn = new HinhChuNhat(cd,cr);

DanhSachHinh.add(hcn);

System.out.println("them thanh cong");

break;

case 2:

float r;

System.out.print("nhap ban kinh: ");

r = sc.nextFloat();

HinhTron ht = new HinhTron(r);

DanhSachHinh.add(ht);

System.out.println("them thanh cong");

break;

}

}

}

public void indanhsach(){

for(Hinh h : DanhSachHinh){

System.out.println(h.toString());

}

}

}

## // Hàm Main

package LAB7\_luyentap\_chuong5;

public class main\_hinh {

public static void main(String[] args) {

HinhChuNhat hcn = new HinhChuNhat(5, 8);

hcn.dienTich();

hcn.toString();

HinhTron ht = new HinhTron(8);

ht.dienTich();

ht.toString();

}

}

# BÀI 3

## //Class GiaoDich

package LAB7\_luyentap\_chuong5;

public class GiaoDich {

private String magiaodich;

private String ngaygiaodich;

private long dongia;

private long soluong;

public GiaoDich(){

}

public GiaoDich(String magiaodich, String ngaygiaodich, long dongia, long soluong) {

this.magiaodich = magiaodich;

this.ngaygiaodich = ngaygiaodich;

this.dongia = dongia;

this.soluong = soluong;

}

public String getMagiaodich() {

return magiaodich;

}

public void setMagiaodich(String magiaodich) {

this.magiaodich = magiaodich;

}

public String getNgaygiaodich() {

return ngaygiaodich;

}

public void setNgaygiaodich(String ngaygiaodich) {

this.ngaygiaodich = ngaygiaodich;

}

public long getDongia() {

return dongia;

}

public void setDongia(long dongia) {

this.dongia = dongia;

}

public long getSoluong() {

return soluong;

}

public void setSoluong(long soluong) {

this.soluong = soluong;

}

@Override

public String toString() {

return "GiaoDich{" + "magiaodich=" + magiaodich + ", ngaygiaodich=" + ngaygiaodich + ", dongia=" + dongia + ", soluong=" + soluong + '}';

}

public void ThanhTien(){

}

## //Class GiaoDichVang kế thừa Class GiaoDich

package LAB7\_luyentap\_chuong5;

public class GiaoDichVang extends GiaoDich{

private String loaivang;

public GiaoDichVang(){

}

public GiaoDichVang(String loaivang) {

this.loaivang = loaivang;

}

public GiaoDichVang(String loaivang, String magiaodich, String ngaygiaodich, long dongia, long soluong) {

super(magiaodich, ngaygiaodich, dongia, soluong);

this.loaivang = loaivang;

}

public String getLoaivang() {

return loaivang;

}

public void setLoaivang(String loaivang) {

this.loaivang = loaivang;

}

@Override

public String toString() {

return "GiaoDichVang{" + "loaivang=" + loaivang + '}';

}

@Override

public void ThanhTien(){

long thanhtien = this.getSoluong() \* this.getDongia();

System.out.println("thanh tien: "+thanhtien);

}

}

## //Class GiaoDichTienTe kế thừa Class GiaoDich

package LAB7\_luyentap\_chuong5;

public class GiaoDichTienTe extends GiaoDich{

private long tigia;

public GiaoDichTienTe(){

}

public GiaoDichTienTe(long tigia) {

this.tigia = tigia;

}

public GiaoDichTienTe(long tigia, String magiaodich, String ngaygiaodich, long dongia, long soluong) {

super(magiaodich, ngaygiaodich, dongia, soluong);

this.tigia = tigia;

}

public long getTigia() {

return tigia;

}

public void setTigia(long tigia) {

this.tigia = tigia;

}

@Override

public String toString() {

return "GiaoDichTienTe{" + "tigia=" + tigia + '}';

}

@Override

public void ThanhTien(){

}

public void tienViet(){

long thanhtien = this.getSoluong() \* this.getDongia();

}

public void tienUSD(){

long thanhtien = this.getSoluong() \* this.getDongia();

}

public void tienEuro(){

long thanhtien = this.getSoluong() \* this.getDongia() \* this.tigia;

}

}

## //Quản lý kho giao dịch

package LAB7\_luyentap\_chuong5;

import java.util.ArrayList;

import java.util.Scanner;

public class QuanLyGiaoDich {

ArrayList<GiaoDich> quanlygiaodich;

Scanner sc;

GiaoDich gd;

public QuanLyGiaoDich(){

super();

quanlygiaodich = new ArrayList<GiaoDich>();

sc = new Scanner(System.in);

}

public void nhap(){

System.out.print("nhap so luong can them: ");

int n = sc.nextInt();

for( int i = 0; i<n; i++){

System.out.println("1. Giao dich vang");

System.out.println("2. Giao dich tien te");

System.out.println("3. Thoat");

System.out.print("lua chon cua ban: ");

int chon = sc.nextInt();

switch(chon){

case 1:

String loaivang;

loaivang = sc.nextLine();

System.out.print("nhap loai vang: ");

loaivang = sc.nextLine();

GiaoDichVang gdvang = new GiaoDichVang(loaivang);

quanlygiaodich.add(gd);

System.out.println("them thanh cong");

break;

case 2:

long tigia;

System.out.print("nhap ti gia:");

tigia = sc.nextLong();

GiaoDichTienTe gdtiente = new GiaoDichTienTe(tigia);

quanlygiaodich.add(gd);

System.out.println("them thanh cong");

break;

}

}

}

public void inthongtin(){

for(GiaoDich gd : quanlygiaodich){

System.out.println(gd.toString());

}

}

}

## // Hàm Main

package LAB7\_luyentap\_chuong5;

public class main\_GiaoDich {

public static void main(String[] args) {

GiaoDichVang gdvang = new GiaoDichVang("24k", "1a", "9/2/2023", 5000000, 5);

gdvang.ThanhTien();

GiaoDichTienTe gdtiente = new GiaoDichTienTe(23000, "1b", "5/9/2023", 6000000, 4);

gdtiente.tienViet();

gdtiente.tienUSD();

gdtiente.tienEuro();

QuanLyGiaoDich qlgd = new QuanLyGiaoDich();

qlgd.nhap();

qlgd.inthongtin();

}

}