Câu 1:

public class Hoaqua {

public String tenhq;

public String mau;

public float gia;

public String nguongoc;

public float ngaynhap;

public float soluong;

public Hoaqua(String tenhq, String mau, float gia, String nguongoc, float ngaynhap, float soluong) {

this.tenhq = tenhq;

this.mau = mau;

this.gia = gia;

this.nguongoc = nguongoc;

this.ngaynhap = ngaynhap;

this.soluong = soluong;

}

public String getTenhq() {

return tenhq;

}

public void setTenhq(String tenhq) {

this.tenhq = tenhq;

}

public String getMau() {

return mau;

}

public void setMau(String mau) {

this.mau = mau;

}

public float getGia() {

return gia;

}

public void setGia(float gia) {

this.gia = gia;

}

public String getNguongoc() {

return nguongoc;

}

public void setNguongoc(String nguongoc) {

this.nguongoc = nguongoc;

}

public float getNgaynhap() {

return ngaynhap;

}

public void setNgaynhap(float ngaynhap) {

this.ngaynhap = ngaynhap;

}

public float getSoluong() {

return soluong;

}

public void setSoluong(float soluong) {

this.soluong = soluong;

}

public void nhap(){

Scanner sc = new Scanner(System.in);

System.out.println("Nhap ten hoa qua ");

tenhq = sc.nextLine();

System.out.println("mau cua hoa qua ");

mau = sc.nextLine();

System.out.println("gia cua hoa qua");

gia = sc.nextFloat();

System.out.println("Nhap nguon goc cua hoa qua");

nguongoc = sc.nextLine();

System.out.println("Ngay nhap hoa qua: ");

ngaynhap = sc.nextFloat();

System.out.println("soluong cua hoa qua");

soluong =sc.nextFloat();

}

public void in(){

Scanner sc = new Scanner(System.in);

System.out.println("Ten hoa qua :" +tenhq);

tenhq = sc.nextLine();

System.out.println("mau cua hoa qua :" +mau);

mau = sc.nextLine();

System.out.println("gia cua hoa qua: "+gia);

gia = sc.nextFloat();

System.out.println("Nguon goc cua hoa qua:" + nguongoc);

nguongoc = sc.nextLine();

System.out.println("Ngay nhap hoa qua: "+ngaynhap);

ngaynhap = sc.nextFloat();

System.out.println("soluong cua hoa qua: "+soluong);

soluong =sc.nextFloat();

}

}

public class quaCam extends Hoaqua {

public quaCam(String tenhq, String mau, float gia, String nguongoc, float ngaynhap, float soluong) {

super(tenhq, mau, gia, nguongoc, ngaynhap, soluong);

}

public float dochin;

public float dongot;

public float getDochin() {

return dochin;

}

public void setDochin(float dochin) {

this.dochin = dochin;

}

public float getDongot() {

return dongot;

}

public void setDongot(float dongot) {

this.dongot = dongot;

}

public void dochin(float dc){

System.out.println(" Nhap do chin cua qua cam ");

this.dochin = dc;

System.out.println(" do chin cua qua cam la " +dc);

}

public void dongot(float dn){

System.out.println("Nhap do ngot cua qua cam");

this.dongot = dn;

System.out.println(" do ngot cua qua cam la :" + dn);

}

public void gia(float g){

System.out.println("Nhap gia cua hoa qua ");

this.gia= g;

System.out.println("Gia cua hoa qua la :" +g);

}

public void ngaynhap(float Nn){

System.out.println("Nhap ngay nhap hoa qua ve ");

this.ngaynhap= Nn;

System.out.println("Ngay nhap hoa qua la "+ Nn);

}

public void soluong(float sl){

System.out.println("NHap so luong hoa qua:");

this.soluong = sl;

System.out.println("so luong hoa qua la "+sl);

}

public void tenhq(String thq){

System.out.println("Nhap ten loai hoa qua");

this.tenhq = thq;

System.out.println("ten hoa qua la :"+tenhq);

}

public void mau(String m){

System.out.println("Nhap mau hoa qua");

this.mau = m;

System.out.println("mau hoa qua la :" + m);

}

public void nguongoc(String nn){

System.out.println("Nhap nguon goc cua hoa qua ");

this.nguongoc = nn;

System.out.println("Nguon goc cua hoa qua la :"+nn);

}

public void nhap(){

Scanner sc = new Scanner(System.in);

System.out.println("Nhap do chin cua cam");

soluong =sc.nextFloat();

System.out.println("Nhap do ngot cua cam");

dongot = sc.nextFloat();

}

public void in(){

Scanner sc = new Scanner(System.in);

System.out.println("do chin cua cam la "+ dochin);

System.out.println("do ngot cua cam la "+ dongot);

}

}

public class quaTao extends Hoaqua {

public quaTao(String tenhq, String mau, float gia, String nguongoc, float ngaynhap, float soluong) {

super(tenhq, mau, gia, nguongoc, ngaynhap, soluong);

}

public float thoidiemthuhoach;

public float getThoidiemthuhoach() {

return thoidiemthuhoach;

}

public void setThoidiemthuhoach(float thoidiemthuhoach) {

this.thoidiemthuhoach = thoidiemthuhoach;

}

public void thoidiemthuhoach(float tdth){

System.out.println("Nhap thoi diem thu hoach cua qua tao la :");

this.thoidiemthuhoach = tdth;

System.out.println(" thoi diem thu hoach qua tao la " + tdth);

}

public void gia(float g){

System.out.println("Nhap gia cua hoa qua ");

this.gia= g;

System.out.println("Gia cua hoa qua la :" +g);

}

public void ngaynhap(float Nn){

System.out.println("Nhap ngay nhap hoa qua ve ");

this.ngaynhap= Nn;

System.out.println("Ngay nhap hoa qua la "+ ngaynhap);

}

public void soluong(float sl){

System.out.println("NHap so luong hoa qua:");

this.soluong = sl;

System.out.println("so luong hoa qua la "+soluong);

}

public void tenhq(String thq){

System.out.println("Nhap ten loai hoa qua");

this.tenhq = thq;

System.out.println("ten hoa qua la :"+tenhq);

}

public void mau(String m){

System.out.println("Nhap mau hoa qua");

this.mau = m;

System.out.println("mau hoa qua la :" + mau);

}

public void nguongoc(String nn){

System.out.println("Nhap nguon goc cua hoa qua ");

this.nguongoc = nn;

System.out.println("Nguon goc cua hoa qua la :"+nguongoc);

}

public void nhap(){

Scanner sc = new Scanner(System.in);

System.out.println("Nhap thoi diem thu hoach");

thoidiemthuhoach =sc.nextFloat();

}

public void in(){

Scanner sc = new Scanner(System.in);

System.out.println("do chin cua cam la " +thoidiemthuhoach);

}

}

public class camCaoPhong extends quaCam {

public camCaoPhong(String tenhq, String mau, float gia, String nguongoc, float ngaynhap, float soluong) {

super(tenhq, mau, gia, nguongoc, ngaynhap, soluong);

}

public String huongvi;

public String getHuongvi() {

return huongvi;

}

public void setHuongvi(String huongvi) {

this.huongvi = huongvi;

}

public void huongvi(String hv) {

System.out.println("Nhap huong vi cam cao phong");

this.huongvi = hv;

System.out.println("huong vi cam cao phong la :"+ hv);

}

}

public class camSanh extends quaCam{

private String ktrh;

public camSanh(String tenhq, String mau, float gia, String nguongoc, float ngaynhap, float soluong) {

super(tenhq, mau, gia, nguongoc, ngaynhap, soluong);

}

public String kichthuoc;

public String getKichthuoc() {

return kichthuoc;

}

public void setKichthuoc(String kichthuoc) {

this.kichthuoc = kichthuoc;

}

public void kichthuoc(String kichthuoc){

System.out.println("Nhap kich thuoc cua cam sanh ");

this.kichthuoc = kichthuoc;

System.out.println("Kich thuoc cua cam sanh la :" +kichthuoc); );

}

}

public class main {

public static void main(String []agrs){

Hoaqua hoaqua = new Hoaqua("", "", 0, "", 0, 0);

hoaqua.nhap();

hoaqua.in();

quaCam cam = new quaCam("", "", 0,"", 0, 0);

cam.nhap();

cam.in();

quaTao tao = new quaTao("", "", 0, "", 0, 0);

tao.nhap();

tao.in();

}

}

Cau 2:

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public class shape {

public String color="red";

public boolean filled = "true";

public shape(String color, boolean filled) {

this.color = color;

this.filled = filled;

}

public String getColor() {

return color;

}

public void setColor(String color) {

this.color = color;

}

public boolean isFilled() {

return filled;

}

public void setFilled(boolean filled) {

this.filled = filled;

}

public String toString(){

return this.color+ this.filled;

}

public void in(){

System.out.println("thong tin"+ this.toString());

}

}

import java.util.Scanner;

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public class Rectangle extends shape {

public double width= 1.0;

public double length = 1.0;

String Filled;

private String filled;

private String color;

public Rectangle() {

}

public Rectangle(double width,double length) {

this.width = width;

this.length = length;

}

public double getWidth() {

return width;

}

public void setWidth(double width) {

this.width = width;

}

public double getLength() {

return length;

}

public void setLength(double length) {

this.length = length;

}

public void nhap(){

Scanner sc = new Scanner(System.in);

System.out.print("nhap color: ");

String color = sc.nextLine();

}

public String toString(){

return "color: " + this.color + " filled: " + this.filled;

}

public void in(){

System.out.println("thong tin: " +this.toString());

}

public void tinhChuvi(){

float Chuvi = (float) (this.width + this.length)\*2;

System.out.println("chu vi hinh chu nhat la: "+Chuvi);

}

public void tinhDientich(){

float Dientich = (float) (this.length \* this.width);

System.out.println("Dien tich hinh chu nhat la: "+Dientich);

}

}

import java.util.Scanner;

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public class Square extends Rectangle{

public double side;

private String color;

public Square(){

}

public Square(double side) {

this.side = side;

}

public Square(double side, double width, double length) {

super(width, length);

this.side = side;

}

public double getSide() {

return side;

}

public void setSide(double side) {

this.side = side;

}

public void nhap(){

Scanner sc = new Scanner(System.in);

System.out.print("nhap color: ");

color = sc.nextLine();

}

public String toString(){

return " mau: " + this.color + " Filled: " + this.Filled;

}

public void in(){

System.out.println("thong tin: " +this.toString());

}

public void tinhChuvi(){

float Chuvi = (float) (this.side + this.side);

System.out.println("Chu vi hinh vuong la: "+Chuvi);

}

public void tinhDientich(){

float Dientich = (float) (this.side \* this.side);

System.out.println("Dien tich hinh vuong la: "+Dientich);

}

}

import java.util.Scanner;

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public class Circle extends shape{

public double radius = 1.0;

final float PI=3.14f;

private String color;

private String filled;

public Circle() {

}

public double getRadius() {

return radius;

}

public void setRadius(double radius) {

this.radius = radius;

}

public void nhap(){

Scanner sc = new Scanner(System.in);

System.out.print("nhap color: ");

color = sc.nextLine();

}

public String toString(){

String ban;

return "color: " + this.color + "bankinh" +this.radius + "filled" + this.filled;

}

public void in(){

System.out.println("thong tin: " +this.toString());

}

public void tinhChuvi(){

float Chuvi = (float) (this.PI \* this.radius);

}

public void tinhDientich(){

float Dientich = (float) (this.PI \* this.radius \* this.radius);

}

}

import java.util.Scanner;

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public class main01 {

public static void main(String[]agrs){

int menu;

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

Scanner sc = new Scanner(System.in);

menu = sc.nextInt();

switch(menu){

case 1:

Circle c = new Circle();

c.nhap();

c.in();

break;

case 2:

Rectangle r = new Rectangle();

r.nhap();

r.in();

r.tinhChuvi();

r.tinhDientich();

break;

case 3:

Square s = new Square();

s.nhap();

s.in();

s.tinhChuvi();

s.tinhDientich();

break;

default:

System.out.println("Da thoat");

}

}

}