package *B*ai1*THU*nit5;

public class ChuyenXe {

    public String maSoChuyen;

    public String hoVaTen;

    public *double* doanhThu;

    public ChuyenXe(String *maSoChuyen*, String *hoVaTen*, *double* *doanhThu*) {

*super*();

*this*.maSoChuyen = *maSoChuyen*;

*this*.hoVaTen = *hoVaTen*;

*this*.doanhThu = *doanhThu*;

    }

    public ChuyenXe() {

*super*();

    }

    public String getMaSoChuyen() {

        return maSoChuyen;

    }

    public *void* setMaSoChuyen(String *maSoChuyen*) {

*this*.maSoChuyen = *maSoChuyen*;

    }

    public String getHoVaTen() {

        return hoVaTen;

    }

    public *void* setHoVaTen(String *hoVaTen*) {

*this*.hoVaTen = *hoVaTen*;

    }

    public *double* getDoanhThu() {

        return doanhThu;

    }

    public *void* setDoanhThu(*double* *doanhThu*) {

*this*.doanhThu = *doanhThu*;

    }

    public *double* DoanhThu() {

        return *this*.doanhThu;

    }

    public *double* TongDT(ChuyenXe *tong*) {

        return *this*.doanhThu+doanhThu;

    }

public class NgoaiThanh extends ChuyenXe {

    public String noiDen;

    public *int* soNgayDiDuoc;

    public NgoaiThanh(String *maSoChuyen*, String *hoVaTen*, *double* *doanhThu*, String *noiDen*, *int* *soNgayDiDuoc*) {

*super*(*maSoChuyen*, *hoVaTen*, *doanhThu*);

*this*.noiDen = *noiDen*;

*this*.soNgayDiDuoc = *soNgayDiDuoc*;

    }

    public NgoaiThanh(String *maSoChuyen*, String *hoVaTen*, *double* *doanhThu*) {

*super*(*maSoChuyen*, *hoVaTen*, *doanhThu*);

    }

    @Override

    public *double* DoanhThu() {

        return *this*.doanhThu;

    }

    @Override

    public *double* TongDT(ChuyenXe *cx2*) {

        return *this*.doanhThu+*cx2*.doanhThu;

    }

}

public class NoiThanh extends ChuyenXe{

    public *int* soTuyen;

    public *int* soKmDiDuoc;

    public NoiThanh(String *maSoChuyen*, String *hoVaTen*, *double* *doanhThu*, *int* *soTuyen*, *int* *soKmDiDuoc*) {

*super*(*maSoChuyen*, *hoVaTen*, *doanhThu*);

*this*.soTuyen = *soTuyen*;

*this*.soKmDiDuoc = *soKmDiDuoc*;

    }

    public NoiThanh(String *maSoChuyen*, String *hoVaTen*, *double* *doanhThu*) {

*super*(*maSoChuyen*, *hoVaTen*, *doanhThu*);

    }

    @Override

    public *double* DoanhThu() {

        return *this*.doanhThu;

    }

    @Override

    public *double* TongDT(ChuyenXe *cx1*) {

        return *this*.doanhThu+*cx1*.doanhThu;

    }

}

package *B*ai1*THU*nit5;

import java.util.ArrayList;

public class maintest {

    public static *void* main(String[] *args*) {

        ArrayList<ChuyenXe> danhSach = **new** ArrayList<>();

        ChuyenXe danhSach1a = **new** NgoaiThanh(**"chuyen 1"**, **"NguyenVanA"**, 3500000);

        ChuyenXe danhSach1b = **new** NgoaiThanh(**"chuyen 1"**, **"NguyenVanA"**, 4500000);

        danhSach.add(danhSach1b);

        danhSach.add(danhSach1a);

        ChuyenXe danhSach2a = **new** NoiThanh(**"chuyen 3"**, **"NguyenVanA"**, 3500000);

        ChuyenXe danhSach2b = **new** NoiThanh(**"chuyen 4"**, **"NguyenVanA"**, 600000);

        danhSach.add(danhSach2b);

        danhSach.add(danhSach2a);

        System.out.println(**"doanh thu cua xe ngoai thanh 1 la:"** + danhSach1b.doanhThu);

        System.out.println(**"doanh thu cua xe ngoai thanh 2 la:"** +danhSach1b.doanhThu);

*double* a= danhSach1a.TongDT( danhSach1b);

        System.out.println(**"tong doanh thu cua hai chuyen la:"** + a);

        System.out.println(**"doanh thu cua xe noi thanh 1 la:"** +  danhSach2a.doanhThu);

        System.out.println(**"doanh thu cua xe noi thanh 2 la:"** +  danhSach2b.doanhThu);

*double* t= danhSach2a.TongDT( danhSach2b);

        System.out.println(**"tong doanh thu cua hai chuyen la:"** +  t);

        System.out.println(**"tong cua tat ca cac chuyen la"**+ (a+t));

    }

}

Bai 2

public class GiaoDich {

    private String maGiaoDich;

    private *int* ngayGiaoDich;

    private *double* donGia;

    private *int* soLuong;

    public GiaoDich() {

*super*();

    }

    public GiaoDich(String *maGiaoDich*, *int* *ngayGiaoDich*, *double* *donGia*, *int* *soLuong*) {

*super*();

*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 *int* getNgayGiaoDich() {

        return ngayGiaoDich;

    }

    public *void* setNgayGiaoDich(*int* *ngayGiaoDich*) {

*this*.ngayGiaoDich = *ngayGiaoDich*;

    }

    public *double* getDonGia() {

        return donGia;

    }

    public *void* setDonGia(*double* *donGia*) {

*this*.donGia = *donGia*;

    }

    public *int* getSoLuong() {

        return soLuong;

    }

    public *void* setSoLuong(*int* *soLuong*) {

*this*.soLuong = *soLuong*;

    }

    public *double* ThanhTien() {

        return *this*.soLuong\**this*.donGia;

    }

    @Override

    public String toString() {

        return **"GiaoDich [maGiaoDich="** + maGiaoDich + **", ngayGiaoDich="** + ngayGiaoDich + **", donGia="** + donGia

                + **", soLuong="** + soLuong + **"]"**;

    }

}

public class GiaoDichTienTe extends GiaoDich {

    private String loaiTien;

    private *double* tiGia;

    public GiaoDichTienTe(String *loaiTien*, *double* *donGia*) {

*super*();

*this*.loaiTien = *loaiTien*;

*this*.tiGia = tiGia;

    }

    public GiaoDichTienTe(String *loaiTien*, *double* *tiGia*,String *maGiaoDich*, *int* *ngayGiaoDich*, *double* *donGia*, *int* *soLuong*) {

*super*(*maGiaoDich*,*ngayGiaoDich*,*donGia*,*soLuong*);

*this*.loaiTien = *loaiTien*;

*this*.tiGia = *tiGia*;

    }

    @Override

    public *double* ThanhTien() {

        if (loaiTien.equals(**"VND"**)) {

            return *super*.getSoLuong() \* *super*.getDonGia();

        } else {

            return *super*.getSoLuong() \* *super*.getDonGia() \* *this*.tiGia;

        }

}

}

public class GiaoDichVang extends GiaoDich {

    private String loaiVang;

    public GiaoDichVang(String *loaiVang*) {

*super*();

*this*.loaiVang = *loaiVang*;

    }

    public GiaoDichVang(String *maGiaoDich*, *int* *ngayGiaoDich*, *double* *donGia*, *int* *soLuong*, String *loaiVang*) {

*super*(*maGiaoDich*, *ngayGiaoDich*, *donGia*, *soLuong*);

*this*.loaiVang = *loaiVang*;

    }

    @Override

    public *double* ThanhTien() {

        return *super*.getDonGia() \* *super*.getSoLuong();

    }

}

public class main {

    public static *void* main(String[] *args*) {

        ArrayList<GiaoDich> danhSachGiaoDich = **new** ArrayList<>();

        GiaoDich giaodich1= **new** GiaoDichVang(**"ms1"**,4,750000,3,**"4444"**);

        GiaoDich giaodich2= **new** GiaoDichVang(**"ms2"**,12,604000,12,**"pnj"**);

        danhSachGiaoDich.add(giaodich1);

        danhSachGiaoDich.add(giaodich2);

        System.out.println(**"gia tien vang 1: "** +giaodich1.ThanhTien());

        System.out.println(**"gia tien vang 2: "** +giaodich2.ThanhTien());

        GiaoDich giaodich3= **new** GiaoDichTienTe(**"VND"**,1,**"gd1"**,3,500000,10);

        GiaoDich giaodich4= **new** GiaoDichTienTe(**"Dolar"**,25000,**"gd1"**,3,5000,10);

        danhSachGiaoDich.add(giaodich3);

        danhSachGiaoDich.add(giaodich4);

        System.out.println(**"gia tien tien viet : "** +giaodich3.ThanhTien());

        System.out.println(**"gia tien tien do : "** +giaodich4.ThanhTien());

    }

}

Bai 3

public class DanhSachHinh {

    private ArrayList<Hinh> danhSach ;

    public DanhSachHinh(ArrayList<Hinh> *danhSach*) {

*this*.danhSach = *danhSach*;

    }

    public DanhSachHinh() {

*this*.danhSach= **new** ArrayList<Hinh>();

    }

    public *void* Them(Hinh *h1*) {

*this*.danhSach.add(*h1*);

    }

    public *void* inDanhSach() {

        for (Hinh hinh : danhSach) {

            System.out.println(hinh);

        }

    }

}

public class Hinh {

    public *double* dienTich() {

        return 0;

    }

}

public class HinhChuNhat extends Hinh {

    private *float* cd;

    private *float* cr;

    public HinhChuNhat(*float* *cd*, *float* *cr*) {

*this*.cd=*cd*;

*this*.cr=*cr*;

    }

    @Override

    public String toString() {

        return **"HinhChuNhat [cd="** + cd + **", cr="** + cr + **"]"**;

    }

    public *double* dienTich() {

        return *this*.cd\**this*.cr;

    }

}

public class HinhTron extends Hinh {

    private *float* r;

    private *double* Pi=3.14;

    public HinhTron(*float* *r*) {

*this*.r=*r*;

    }

    @Override

    public String toString() {

        return **"HinhTron [r="** + r + **"]"**;

    }

    public *double* dienTich() {

        return Pi\**this*.r;

    }

}

import java.util.Scanner;

public class main {

    private static HinhTron nhapHinhTron() {

        Scanner input = **new** Scanner(System.in);

        System.out.println(**"nhap ban kinh"**);

*int* r = input.nextInt();

        return **new** HinhTron(r);

    }

    private static HinhChuNhat nhapHinhChuNhat() {

        Scanner input = **new** Scanner(System.in);

        System.out.println(**"nhap cd va cr"**);

*int* cd = input.nextInt();

*int* cr = input.nextInt();

        return **new** HinhChuNhat(cd, cr);

    }

    public static *void* main(String[] *args*) {

        HinhTron hinhTron = nhapHinhTron();

        HinhChuNhat hinhChuNhat = nhapHinhChuNhat();

        System.out.println(

**"thong tin hinh tron: "** + hinhTron.toString() + **" dien tich cua no la: "** + hinhTron.dienTich());

        System.out.println(**"thong tin hinh chu nhat la: "** + hinhChuNhat.toString() + **"\n"** + **" dien tich cua no la: "**

                + hinhChuNhat.dienTich());

        DanhSachHinh dsh = **new** DanhSachHinh();

        System.out.println(**"cac hinh nam trong mang la"**);

        dsh.Them(hinhChuNhat);

        dsh.Them(hinhTron);

        dsh.inDanhSach();

    }

}