public class HinhHoc {

public float PI;

public String ten;

public float chuVi, dienTich, theTich;

public HinhHoc() {

this.PI = 3.14f;

}

public void xuatTen() {

System.out.println("Tên : " + this.ten);

}

public void inChuVi() {

System.out.println("Chu vi = " + this.chuVi);

}

public void inDienTich() {

System.out.println("Diện tích = " + this.dienTich);

}

public void inTheTich() {

System.out.println("Thể tích = " + this.theTich);

}

}

import java.util.Scanner;

public class HinhTron extends HinhHoc{

public float banKinh;

public HinhTron() {

}

public void nhapBanKinh() {

Scanner sc=new Scanner(System.in);

System.out.println("Nhập bán kính ");

this.banKinh=sc.nextFloat();

}

public void tinhChuVi() {

super.chuVi=2\*super.PI\*this.banKinh;

}

public void tinhDienTich() {

super.dienTich=super.PI\*this.banKinh\*this.banKinh;

}

}

import java.util.Scanner;

public class HinhChuNhat extends HinhHoc{

public float dai,rong;

public HinhChuNhat() {

}

public void nhapChieuDai() {

Scanner sc=new Scanner(System.in);

System.out.println("Nhập chiều dài ");

this.dai=sc.nextFloat();

}

public void nhapChieuRong() {

Scanner sc=new Scanner(System.in);

System.out.println("Nhập chiều rộng ");

this.rong=sc.nextFloat();

}

public void tinhChuVi() {

super.chuVi=(this.dai +this.rong)\*2;

}

public void tinhDienTich() {

super.dienTich=this.dai\*this.rong;

}

}

import java.util.Scanner;

public class HinhTru extends HinhTron{

public float chieuCao;

public HinhTru() {

}

public void nhapChieuCao() {

Scanner sc=new Scanner(System.in);

System.out.println("Nhập chiều cao");

this.chieuCao=sc.nextFloat();

}

s

public void tinhTheTich() {

super.theTich=super.PI\*super.banKinh\*super.banKinh\*this.chieuCao;

}

}

import java.util.Scanner;

public class HinhVuong extends HinhChuNhat{

public HinhVuong() {

}

public void nhapCanh() {

System.out.println("Nhập cạnh");

Scanner sc=new Scanner(System.in);

super.dai=sc.nextFloat();

super.rong=super.dai;

}

}

public class Test {

public static void main(String[] args) {

HinhChuNhat hcn = new HinhChuNhat();

hcn.nhapChieuDai();

hcn.nhapChieuRong();

hcn.tinhChuVi();

hcn.tinhDienTich();

hcn.inChuVi();

hcn.inDienTich();

hcn.xuatTen();

}

}