

Class HinhHoc {

float PI = 3.14;

String ten;

float ChuVi;

float DienTich;

float TheTich;

public HinhHoc () {

this.ChuVi = ChuVi;

this.DienTich = DienTich;

this.TheTich = TheTich;

this.ten = ten;

}

public void xuatTen () {

System.out.println(" --- " + ten + " --- ");

}

public void inChuVi () {

System.out.println(" Gia tri Chu vi : " + ChuVi);

}

public void inDienTich () {

System.out.println(" Gia tri Dien Tich : " + DienTich);

}

public void inTheTich () {

System.out.println(" Gia tri the tich : " + TheTich);

}

```

import java.util.Scanner;

public class HinhTron extends HinhHoc {
    public float banKinh;
    public HinhTron () {
        ten = "Hình Tròn";
    }

    public void nhapBanKinh () {
        System.out.println("Bán kính = ");
        Scanner scanner = new Scanner(System.in);
        banKinh = scanner.nextFloat();
    }

    public void tinhChuVi () {
        ChuVi = 2 * PI * banKinh;
    }

    public void tinhDienTich () {
        DienTich = PI * banKinh * banKinh;
    }
}

public class HinhChuNhat extends HinhHoc {
    public float dai;
    public float rong;
    public HinhChuNhat () {
        ten = "Hình Chữ Nhật";
    }

    public void nhapChieuDai () {

```



```
System.out.println("Chiều dài = ");  
Scanner scanner = new Scanner(System.in);  
long dai = scanner.nextFloat();  
}
```

```
public void nhapChieuRong() {  
System.out.println("Chiều Rộng = ");  
Scanner scanner = new Scanner(System.in);  
rong = scanner.nextFloat();  
}
```

```
public void tinhChuVi() {  
ChuVi = 2 * (dai + rong);  
}
```

```
public void tinhDienTich() {  
DienTich = dai * rong;  
}
```

```
}  
public class HìnhThư extends HìnhThôn {  
public float float ChieuCao;  
public HìnhThư() {  
ten = "Hình Thư";  
}
```

```
public void nhapChieuCao() {  
System.out.println("Chiều Cao = ");  
Scanner scanner = new Scanner(System.in);
```

```

        ChauCao = scanner.nextFloat();
    }

    public void tinhTheTich () {
        TheTich = PI * banKinh * banKinh * ChauCao;
    }
}

```

```

public class HinhVuong extends HinhChuNhat {
    public HinhVuong () {
        ten = "Hinh Vuong";
    }

    public void nhapCanh () {
        System.out.println ("Canh = ");
        Scanner scanner = new Scanner(System.in);
        dai = long dai = scanner.nextFloat();
    }

    public float Canh;
}

```

```

Package main ;

```

```

import shapes.HinhChuNhat;
import shapes.HinhTron;
import shapes.HinhThoi;
import shapes.HinhVuong;

public class mainclass {
    public static void main (String[] args) {

```


HinhTron T = new HinhTron();

T.xuatTen();

T.nhapBanhinh();

T.tinhDienTich();

T.inChuVi();

T.inDienTich();

HinhTha Tu = new HinhTha();

Tu.xuatTen();

Tu.nhapChieuCao();

Tu.tinhTheTich();

Tu.inTheTich();

HinhChuanhat Hcn = new HinhChuanhat();

Hcn.xuatTen();

Hcn.nhapChieuDai();

Hcn.tinhChuVi();

Hcn.tinhDienTich();

Hcn.inChuVi();

Hcn.inDienTich();

~~Hcn~~ HinhVuong v = new HinhVuong();

v.xuatTen();

v.nhapCanh();

v.tinhChuVi();

v.tinhDienTich();

v.inChuVi();

v.inDienTich();

2