JAVA – INHERITANCE + POLYMORPHISM

```java
package mypack;

public abstract class LopDaGiac {
    // data
    int socanh;
    protected double cdCanh[];
    // constructor
    public LopDaGiac(int socanh){
        this.socanh=socanh;
        cdCanh=new double[socanh];
    }
    // methods
    public abstract void TinhDienTich();
    public  void InThongTin(){
        System.out.println("So canh: "+socanh);
    }
}
```

```java
package mypack;
import java.util.Scanner;

public class LopHinhVuong extends LopDaGiac{
    private static Scanner sc;
    public LopHinhVuong() {
        super(1);
        sc=new Scanner(System.in);
        // TODO Auto-generated constructor stub
        System.out.print("Nhap chieu dai canh hinh vuong: ");
        cdCanh[0]=sc.nextDouble();
    }

    @Override
    public void TinhDienTich() {
        // TODO Auto-generated method stub
        System.out.println("Dien tich hinh vuong: "+cdCanh[0]*cdCanh[0]);
    }
```

```java
        @Override
        public void InThongTin(){
                super.InThongTin();
                System.out.println("Chieu dai canh hinh vuong: "+cdCanh[0]);
        }
}
```

```java
package mypack;
import java.util.Scanner;

public class LopHinhChuNhat extends LopDaGiac {
        private static Scanner sc;
        public LopHinhChuNhat() {
                super(2);
                // TODO Auto-generated constructor stub
                sc=new Scanner(System.in);

                System.out.print("Nhap chieu dai hinh chu nhat: ");
                cdCanh[0]=sc.nextDouble();

                System.out.print("Nhap chieu rong hinh chu nhat: ");
                cdCanh[1]=sc.nextDouble();
        }

        @Override
        public void TinhDienTich() {
                // TODO Auto-generated method stub
                System.out.println("Dien tich hinh vuong: "+cdCanh[0]*cdCanh[1]);
        }

        @Override
        public void InThongTin(){
                super.InThongTin();
                System.out.println("Chieu dai hinh chu nhat: "+cdCanh[0]);
                System.out.println("Chieu rong hinh chu nhat: "+cdCanh[1]);
        }
}
```