

```

package asoo;

public class twodshape {
    private double width;
    private double height;

    public twodshape(double w, double h) {
        width=w;
        height=h;
    }

    public double getWidth() {
        return width;
    }
    public void setWidth(double w) {
        this.width = w;
    }
    public double getHeight() {
        return height;
    }
    public void setHeight(double h) {
        this.height = h;
    }

    void showdim() {
        System.out.println("width and height is :"+ width+"and
"+height);
    }

}

```

+++++

```

package asoo;

public class triangle extends twodshape{

    private String style;

    // constructor

    public triangle(String s,double w , double h) {

```

```

        super(w,h);

        style=s;
    }

    double area() {
        return
            getWidth()*getHeight()/2;
    }

    void showstyle() {
        System.out.println("triangle is :"+style);
    }
}

+++++

package asoo;

public class program {

    public static void main(String[] args) {
        // TODO Auto-generated method stub

        triangle t1=new triangle("iso", 4.0, 4.0);
        triangle t2=new triangle("right", 8.0, 12.0);

        System.out.println("triangle 1 is :");
        t1.showstyle();
        t1.showdim();
        System.out.println("area for is "+t1.area());

        System.out.println("triangle 2 is :");
        t2.showstyle();
        t2.showdim();
        System.out.println("area for is "+t2.area());
    }
}

```

