

```

package proman;

public class triangler extends towdshpes {
    String style ;

    triangler(){
        super ();
        style="null";
    }

    triangler (String s, double w, double h ){
        super (w,h);
        this.style=s;
    }

    triangler (double x){
        super(x);
        style="iso";
    }

    double area() {
        return
            getWidth()* getHigth()/2;
    }
    void showstyle () {
        System.out.print(style);
    }
}

```

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package proman;

public class towdshpes {
    private double width;

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private double highth;

towdshpes(){
    width=highth=0.0;
}
towdshpes(double w , double h){

    this.width=w;
    this.highth=h;
}
towdshpes(double x){
    width=highth=x;
}


    void showdim() {
        System.out.println("width and height are "+ width+"
"+highth);

    }

    public double getWidth() {
        return width;
    }

    public void setWidth(double width) {
        this.width = width;
    }

    public double getHighth() {
        return highth;
    }

    public void setHighth(double highth) {
        this.highth = highth;
    }

}

```

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```
package proman;
public class program {

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

        triangler t1 = new triangler();
        triangler t2 = new triangler("right",8.0,12.0);
        triangler t3 = new triangler(4.0);


        System.out.println("t1 is :");
        t1.showstyle();
        t1.showdim();
        System.out.println();
        System.out.println(t1.area());


        System.out.println("t2 is :");
        t2.showstyle();
        t2.showdim();
        System.out.println();
        System.out.println(t2.area());


        System.out.println("t3 is :");
        t3.showstyle();
        t3.showdim();
        System.out.println();
        System.out.println(t3.area());

    }
}
```

