|  |
| --- |
| **Shape** |
| -color:String = “red”  -filled:boolean=true |
| +Shape()  +Shape(color:String,filled:boolean)  +getColor():String  +setColor(color: String):void  +isFilled():boolean  +setFilled(filled:boolean):void  **+toString():String** |

|  |
| --- |
| **Triangle** |
| - side1:double=1.0  - side2:double=1.0  - side3:double=1.0 |
| + Triangle()  + Triangle( side1:double , side2:double , side3:double)  + Triangle( side1:double , side2:double , side3:double ,color:String,filled:boolean)  +getSide1 ():double  +setSide1(radius:double):void  +getSide2 ():double  +setSide2(radius:double):void  +getSide3 ():double  +setSide3(radius:double):void  +getArea():double  +getPerimeter():double  **+toString():String** |