## 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

## Circle

-radius:double = 1.0

+Circle()

+Circle(radius:double)

+Circle(radius:double,

color:String,filled:boolean)

+getRadius():double

+setRadius(radius:double):void

+getArea():double

+getPerimeter():double

+toString():String

## Rectangle

-width:double = 1.0

-length:double = 1.0

+Rectangle()

+Rectangle(width:double,

length:double)

+Rectangle(width:double,

length:double,

color:String,filled:boolean)

+getWidth():double

+setWidth(width:double):void

+getLength():double

+setLength(legnth:double):void

+getArea():double

+getPerimeter():double

+toString():String



## Square

+Square()

+Square(side:double)

+Square(side:double,

color:String,filled:boolean)

+getSide():double

+setSide(side:double):void

+setWidth(side:double):void

+setLength(side:double):void

+toString():String

