```
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 ..
                                            "Shape[color=?,filled=?]"
                   extends
            Circle
                                                 Rectangle
-radius:double = 1.0
                                      -width:double = 1.0
                                      -length:double = 1.0
+Circle()
+Circle(radius:double)
                                      +Rectangle()
+Circle(radius:double,
                                      +Rectangle(width:double,
   color:String,filled:boolean)
                                         length:double)
+getRadius():double
                                      +Rectangle(width:double,
+setRadius(radius:double):void
                                         length:double, color:String,
+getArea():double
                                         filled:boolean)
+getPerimeter():double
                                      +getWidth():double
                                      +setWidth(width:double):void
+toString():String.
                                      +getLength():double
                                      +setLength(legnth:double):void
           "Circle[Shape[color=?,
                                      +getArea():double
          filled=?],radius=?]"
                                      +getPerimeter():double
                                     ++toString():String
     "Rectangle[Shape[color=?,
                                                   Square
     filled=?],width=?,length=?]"
                                      +Square()
                                      +Square(side:double)
                                      +Square(side:double,
     The length and width shall be
                                         color:String, filled:boolean)
                                      +getSide():double
     set to the same value.
                                      +setSide(side:double):void
                                      +setWidth(side:double):void
"Square[Rectangle[Shape[color=?,
                                      +setLength(side:double):void
```

+toString():String

filled=?],width=?,length=?]]"