《interface》

Java.lang.Comparable<GeometricObject>

+compareTo(o: GeometricObject): int

GeometricObject

-color: String
-filled: boolean
-dateCreated: java.util.Date

#GeometricObject()
#GeometricObject(color: String, filled: boolean)
+getColor(): String
+setColor(color: String): void
+getIsFilled(): boolean
+setFilled(filled: boolean): void
+getDateCreated(): java.util.Date
+toString(): String
+getArea():double
+getPerimeter(): double
+max(a: GeometricObject, b: GeometricObject): void

Circle

-radius: double

+Circle()
+Circle(color: String, filled: boolean, radius: double)
+getRadius(): double
+setRadius(radius: double): void
+getArea():double
+getDiameter(): double
+toString(): String
+compareTo(o: GeometricObject): int

Rectangle

-width: double
-height: double

+Rectangle()
+Rectangle(color: String, filled: boolean, width: double, height: double)
+getWidth(): double
+setWidth(width: double): void
+getHeight(): double
+setHeight(height: double): void
+getArea():double
+getDiameter(): double
+toString(): String
+compareTo(o: GeometricObject): int