

GeometricObject
#color: String
#boolean: filled
-java.util.Date: dateCreated
#GeometricObject()
#GeometricObject(String: color, boolean: filled)
+getColor(): String
+setColor(String: color)
+isFilled(): boolean
+setFilled(boolean: filled)
+getDateCreated(): java.util.Date
+toString(): String
+getArea(): double
+getPerimeter(): double

CircleComparable
-radius: double
+CircleComparable()
+CircleComparable(radius: double)
+CircleComparable(radius: double, color: String, filled: boolean)
+getRadius(): double
+setRadius(side: double)
+getArea(): double
+getPerimeter(): double
+getDiameter(): double
+printCircle()
+toString():
+equals(o: Object): boolean
+compareTo(circle: CircleComparable): int