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Colorable
+howToColor -String
howToColor()

Square
+side -double
Square(double side, color, filled) setSide(double side) getSide() getArea() getPerimeter() howToColor() toString()

Geometric Object
Color string Filled boolean
GeometricObject() GeometricObject(String color, boolean filled) getColor() setColor() isFilled() setFilled(boolean filled) toString() getArea() getPerimeter()

Octagon
Side double
Octagon() Octagon(double side) setSide(double side) getSide() getArea() compareTo(octagon) clone() toString()

Circle
Radius double
<div>circle() circle(radius double) getRadius() setRadius() getArea() getDiameter() getPerimeter() equals() compareTo(circle) toString()</div>