

GeometricObject
-color: String -filled: boolean -date: Date
+GeometricObject() +GeometricObject(color: String, filled: boolean) +getColor(): String +setColor(color: String): void +isFilled(): boolean +setFilled(filled: boolean): void +getDate(): Date +toString(): String +getArea(): double +getPerimeter(): double

<<interface>>
Colorable
+howToColor(): String

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

GeometricObject
-color: String -filled: boolean -date: Date
+GeometricObject() +GeometricObject(color: String, filled: boolean) +getColor(): String +setColor(color: String): void +isFilled(): boolean +setFilled(filled: boolean): void +getDate(): Date +toString(): String +getArea(): double +getPerimeter(): double

Circle
-radius: double;
+Circle() +Circle(radius: double) +Circle(radius: double, color: String, filled: boolean) +getRadius(): double +setRadius(radius: double): void +getArea(): double +getPerimeter(): double +equals(o Object): boolean +compareTo(o Circle): int +toString(): String

GeometricObject

-color: String -filled: boolean -date: Date
+GeometricObject() +GeometricObject(color: String, filled: boolean) +getColor(): String +setColor(color: String): void +isFilled(): boolean +setFilled(filled: boolean): void +getDate(): Date +toString(): String +getArea(): double +getPerimeter(): double

Octagon
-side: double
+Octagon() +Octagon(side: double) +Octagon(side: double, color: String, filled: boolean) +getSide(): double +setSide(side: double): void +getArea(): double +getPerimeter(): double +compareTo(o: Object): int +clone(): Object +toString(): String