

Circle extends GeometricObject implements Comparable<Circle>

-radius: double

+Circle()

+Circle(radius: double)

+Circle(radius: double, color: String, filled: boolean)

+getRadius(): double

+setRadius(radius: double)

+getArea(): double

+getDiameter(): double

+getPerimeter(): double

+printCircle(): void

+compareTo(other: Circle): int +equals(obj: Object): boolean

GeometricObject

-color: String -filled: boolean

-dateCreated: java.util.Date

+GeometricObject()

+GeometricObject(color: String, filled:

boolean) |

+getColor(): String

+setColor(color: String)

+isFilled(): boolean

+setFilled(filled: boolean)

+getDateCreated(): java.util.Date

+toString(): String