GeometricObject

-color : String

-filled : Boolean

-dateCreate : java.util.Date

+GeometricObject()

+GeometricObject(color:String, filled : boolean)

+setColor() : void

+setFilled() : void

+getColor() : String

+getDateCreate() : java.util.Date

+isFilled : Boolean

+toString : String

+displayObject(object:Object) : void

Circle

-radius : double

+Circle()

+Circle(radius: double)

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

+getRadius(): double

+setRadius(radius: double): void

+getArea(): double

+getPerimeter(): double

+getDiameter(): double

+printCircle(): void

Triangle

-side1 : double

-side2 : double

-side3 : double

+Triangle()

+Triangle(side1 : double, side2 : double , side3 : double)

+Triangle(side1 : double, side2 : double , side3 : double, String color, Boolean filled)

+setSide1() : void

+setSide2() : void

+setSide3() : void

+getSide1() : double

+getSide2() : double

+getSide3() : double

+getArea() : double

+getPerimeter() : double

+printTriangle() : void

Rectangle

-width: double

-height: double

+Rectangle()

+Rectangle(width: double, height: double)

+Rectangle(width: double, height: double color: String, filled: boolean)

+getWidth(): double

+setWidth(width: double): void

+getHeight(): double

+setHeight(height: double): void

+getArea(): double

+getPerimeter(): double

+printRectangle() : void