Module 02: Assignment 3 (Ex 11.1)

@startuml

class GeometricObject {

- color: String

- filled: boolean

+ Geom etricObject()

+ GeometricObject(color: String, filled: boolean)

+ getColor(): String

+ setColor(color: String): void

+ isFilled(): boolean

+ setFilled(filled: boolean): void

+ getArea(): double

+ getPerimeter(): double

}

@enduml

@startuml

Class Triangle {

- side1: double

- side2: double

- side3: double

+ Triangle()

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

+ getSide1(): double

+ getSide2(): double

+ getSide3(): double

+ getArea(): double

+ getPerimeter(): double

+ toString(): String

@enduml