

Connor McStay

GeometricObject

-color: String
-Filled:Boolean
-date:created.java.util.date

GeometricObject()
GeometricObject(color:string, filled: boolean)
+get Color():String
+set Color(color:string)void
+is filled():boolean
+setFilled(filled:boolean):void
+get DateCreated():java.util.date
+toString():string
+getArea():double
+getPerimeter()double

Triangle

-side1;double
-side2;double
-side3;double

+Triangle()
+Triangle(side1:: double side2: double. side3:double)
+getArea()void
+get perimeter()void
+toString:string

GeometricObject

+compareTo(obj: Geometricobject) :int
+max(obj1: Geometric Object, obj2,Geometric Object):

Circle

Circle2D c1 = new Circle
Circle2D c2 = new circle
System.out.println

```
((Circle2D)(GeometricObject.max(c1, c2))).getRadius() );
```

Rectangle

```
Rectangle c1 = new Rectangle  
Rectangle c2 = new Rectangle  
System.out.println  
((Rectangle)(GeometricObject.max(c1, c2))).getPerimeter() );
```

GeometricObject

```
-color: String  
-Filled:Boolean  
-date:created.java.util.date
```

```
GeometricObject()  
GeometricObject(color:string, filled: boolean)  
+get Color():String  
+set Color(color:string)void  
+is filled():boolean  
+setFilled(filled:boolean):void  
+get DateCreated():java.util.date  
+toString():string  
+getArea():double  
+getPerimeter()double
```

Circle

```
-radius :double
```

```
-circle()  
+circle(radius double)  
+circle(radius: double, color.string.filled:boolean)  
+get radius():double  
+set radius(radius:double: void  
+get diameter():double
```

Ocotgon

```
+ octagon  
+ octagon(double side)
```

```
+void setside(double side  
+ double getSide()  
+ double getArea()  
Double getPerimeter()
```