

Laura Cantu

LAB 10

11/17/2018

PROBLEM 13.7

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

GeometricObject
-color: String -filled: boolean -dateCreated: java.util.date
#GeometricObject() #GeometricObject(color: String, filled: boolean) +getColor(): String +setColor(color: String): void +isFilled(): boolean +setFilled(filled: boolean): void +getDateCreated(): java.util.Date +toString(): String <i>+getArea(): double</i> <i>+getPerimeter(): double</i>

Square
-sideLength: double
+Sqaure() +Square(sideLength: double, color: String, filled: boolean) +getSideLength(): double +setSideLength(sideLength: double): void +toString(): String

PROBLEM 13.9

<<Interface>> Comparable<Circlet>
<i>+compareTo(o: Circle): int</i> <i>+equals(o: Object): boolean</i>

GeometricObject
-color: String -filled: boolean -dateCreated: java.util.date
#GeometricObject() #GeometricObject(color: String, filled: boolean) +getColor(): String +setColor(color: String): void +isFilled(): boolean +setFilled(filled: boolean): void +getDateCreated(): java.util.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

PROBLEM 13.11

<<Interface>> Cloneable
<i>+clone: Object</i>

<<Interface>> Comparable<Octagon>
<i>+compareTo(o: Octagon): int</i>

GeometricObject
-color: String -filled: boolean -dateCreated: java.util.date
#GeometricObject() #GeometricObject(color: String, filled: boolean) +getColor(): String +setColor(color: String): void +isFilled(): boolean +setFilled(filled: boolean): void +getDateCreated(): java.util.Date +toString(): String +getArea(): double +getPerimeter(): double

Octagon
-side: double
-Octagon(side: double) +getSide(): double +setSide(side: double): void +toString(): String