

13.5

GeometricObject(Comparable)
<ul style="list-style-type: none">-color: String-filled: boolean-dateCreated: java.util.Date
<ul style="list-style-type: none">+GeometricObject()+GeometricObject(Color: String, filled: boolean)+getColor(): String+setColor(color: String):+isFilled(): boolean+setFilled(filled: boolean):+getDateCreated(): java.util.Date+toString(): String+getMax(GeometricObject: o1): int <ul style="list-style-type: none">getArea(): doublegetPerimeter(): double

13.7

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 +getMax(GeometricObject: o1): int +getArea(): double +getPerimeter(): double

Square(Extends GeometricObject)
-side: double
+Square() +Square(side: double) +Square(side: double, color: string, isFilled: boolean) +getSide(): double +setSide(side1: double): void +getArea(): double +getPerimeter(): double +toString(): String +howToColor(): String

Colorable
+howToColor(): String

13.9

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 +getMax(GeometricObject: o1): int +getArea(): double +getPerimeter(): double

Circle(Extends GeometricObject)
-radius: double
+Circle() +Circle(radius: double) +Circle(radius: double, color: string, isFilled: boolean) +getRadius(): double +setRadius(side1: double): void +getArea(): double +getPerimeter(): double +toString(): String +compreTo(): int +equals(): boolean

Comparable
+compareTo(): int

13.9

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 +getMax(GeometricObject: o1): int +getArea(): double +getPerimeter(): double

Octagon(Extends GeometricObject)
-side: double
+Circle() +Circle(side: double) +Circle(side: double, color: string, isFilled: boolean) +getSide(): double +setSide(side1: double): void +getArea(): double +getPerimeter(): double +toString(): String +compreTo(): int +clone(): Octagon +equals(): boolean

Comparable
+compareTo(): int

Cloneable

+clone(): object