

13.7

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

<Interface> Colorable
+howToColor()

class Square extends GeometricObject implements Colorable
-side: double
+square(double): void +square(double, String, boolean) +setSide(double): void +getSide(): double +getArea(): double +getPerimeter(): double +howToColor(): String +toString(): String

13.9

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

<Interface> Comparable<Circle>
+compareTo(Object): int

class Circle extends GeometricObject implements Comparable<Circle>
-radius: double
+Circle(double): void +Circle(double, String, boolean) +setRadius(double): void +getRadius(): double +getArea(): double +getPerimeter(): double +howToColor(): String +toString(): String +equals(Object): boolean +compare(Object): boolean

13.11

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

class Octagon implements Cloneable, Comparable<Octagon>
-side: double
+Octagon(double): void +setSide(double): void +getSide(): double +getArea(): double +getPerimeter(): double +toString(): String +clone(): Object +compareTo(Object): int

<Interface> Cloneable
+clone: Object

<Interface> Comparable<Octagon>
+compareTo(Object): int

