Penjelasan Lab 9

a. new Shape()

```
Shape
-color:String = "green"
-filled:boolean = true

+Shape()
+Shape(color:String, filled:boolean)
+getColor():String
+setColor(color:String):void
+isFilled():boolean
+setFilled(filled:boolean):void
+toString():String
```

b. new Shape("blue", false)

```
Shape

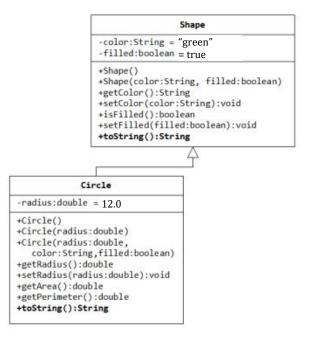
-color:String = "blue"
-filled:boolean = false

+Shape()
+Shape(color:String, filled:boolean)
+getColor():String
+setColor(color:String):void
+isFilled():boolean
+setFilled(filled:boolean):void
+toString():String
```

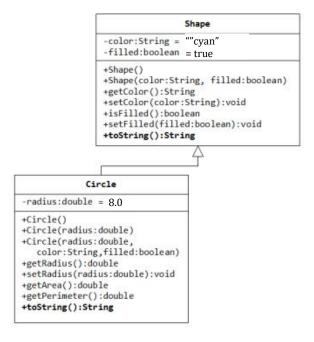
c. new Circle()

```
Shape
                 -color:String = "green"
                 -filled:boolean = true
                 +Shape()
                 +Shape(color:String, filled:boolean)
                 +getColor():String
                 +setColor(color:String):void
                 +isFilled():boolean
                 +setFilled(filled:boolean):void
                 +toString():String
             Circle
-radius:double = 1.0
+Circle()
+Circle(radius:double)
+Circle(radius:double,
color:String,filled:boolean)
+getRadius():double
+setRadius(radius:double):void
+getArea():double
+getPerimeter():double
+toString():String
```

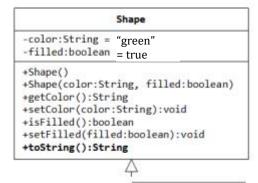
d. new Circle(12)



e. new Circle(8, "cyan", true)



f. new Rectangle()



Rectangle -width:double = 1.0 -length:double = 1.0 +Rectangle() +Rectangle(width:double, length:double) +Rectangle(width:double, length:double, color:String,filled:boolean) +getWidth():double +setWidth(width:double):void +getLength():double +setLength(legnth:double):void +getArea():double +getPerimeter():double +toString():String

g. new Rectangle(8, 12)

```
Shape

-color:String = "green"
-filled:boolean = true

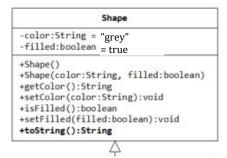
+Shape()
+Shape(color:String, filled:boolean)
+getColor():String
+setColor(color:String):void
+isFilled():boolean
+setFilled(filled:boolean):void
+toString():String
```

Rectangle

-width:double =8
-length:double =12

+Rectangle()
+Rectangle(width:double,
 length:double)
+Rectangle(width:double,
 length:double,
 color:String,filled:boolean)
+getWidth():double
+setWidth(width:double):void
+getLength():double
+setLength():double
+setLength():double
+setPerimeter():double
+getPerimeter():double
+toString():String

h. new Rectangle(4, 5, "grey", true)



Rectangle

-width:double =4
-length:double = 5

+Rectangle()
+Rectangle(width:double,
 length:double)
+Rectangle(width:double,
 length:double,
 color:String,filled:boolean)
+getWidth():double
+setWidth(width:double):void
+getLength():double
+setLength(legnth:double):void
+getArea():double
+getPerimeter():double
+toString():String

i. new Square()

```
Shape

-color:String = "green"
-filled:boolean = true

+Shape()
+Shape(color:String, filled:boolean)
+getColor():String
+setColor(color:String):void
+isFilled():boolean
+setFilled(filled:boolean):void
+toString():String
```

Rectangle -width:double = 1.0 -length:double = 1.0 +Rectangle() +Rectangle(width:double, length:double) +Rectangle(width:double, length:double, color:String,filled:boolean) +getWidth():double +setWidth(width:double):void +getLength():double +setLength(legnth:double):void +getArea():double +getPerimeter():double +toString():String

Square

- +Square()
 +Square(side:double)
 +Square(side:double,
 color:String,filled:boolean)
 +getSide():double
 +setSide(side:double):void
 +setWidth(side:double):void
 +setLength(side:double):void
- +toString():String

j. new Square(6)

```
Shape

-color:String = "green"
-filled:boolean = true

+Shape()
+Shape(color:String, filled:boolean)
+getColor():String
+setColor(color:String):void
+isFilled():boolean
+setFilled(filled:boolean):void
+toString():String
```

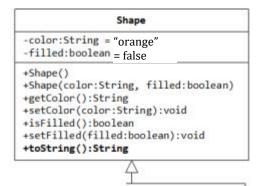
Rectangle -width:double = 6 -length:double = 6 +Rectangle() +Rectangle(width:double, length:double) +Rectangle(width:double, length:double, color:String,filled:boolean) +getWidth():double +setWidth(width:double):void +getLength():double +setLength(legnth:double):void +getArea():double +getPerimeter():double +toString():String

Square

+Square()
+Square(side:double)
+Square(side:double,
 color:String,filled:boolean)
+getSide():double
+setSide(side:double):void
+setWidth(side:double):void
+setLength(side:double):void

+toString():String

k. new Square(7, "orange", false)



Rectangle -width:double = 7 -length:double = 7 +Rectangle() +Rectangle(width:double, length:double) +Rectangle(width:double, length:double, color:String,filled:boolean) +getWidth():double +setWidth(width:double):void +getLength():double +setLength(legnth:double):void +getArea():double +getPerimeter():double +toString():String

Square

- +Square()
- +Square(side:double)
- +Square(side:double,
- color:String,filled:boolean)
- +getSide():double
- +setSide(side:double):void
- +setWidth(side:double):void
- +setLength(side:double):void
- +toString():String