Nama: Gagas Surya Laksana

NIM: 1301223164 Kelas: IF-46-10

Luas: 9.0

Luas: 16.0

Luas: 314.1592653589793

Luas: 150.0

Volume: 125.0

Luas: 942.4777960769379

Volume: 1570.7963267948967

```
© Tube.jav
© Cube.java
                                                   © Square.java
       import java.util.ArrayList;
       public class Main {
 5 @
           public static void displayShapeInfo(Shape shape) { 1 usage
              System.out.println("Luas: " + shape.getArea());
              if (shape instanceof HasVolume){
                  HasVolume volumeShape = (HasVolume) shape;
                  System.out.println("Volume: " + volumeShape.getVolume());
              System.out.println("-----
           }
           public static void main(String[] args) {
15 ⊳
              ArrayList<Shape> shapes = new ArrayList<>();
              shapes.add(new Rectangle(length: 2.25, width: 4.0));
              shapes.add(new Rectangle(length: 4.0, width: 4.0));
              shapes.add(new Circle( radius: 10.0));
              shapes.add(new Cube( side: 5.0));
              shapes.add(new Tube( radius: 10.0, height: 5.0));
              for (Shape shape : shapes) {
                  displayShapeInfo(shape);
       }
```



```
Main.java
                 Has Volume.java
                                     © Cube.java × © Square.java
       public class Cube extends Square implements HasVolume {  no usages
           Cube(double side){  no usages
               super(side);
           }
           public double getArea() { 2 usages
 6 ©1
               return 6 * super.getArea();
           }
10 I
           public double getVolume(){ 1 usage
               return Math.pow(width, 3);
           }
13
```



