# Variable type & construction
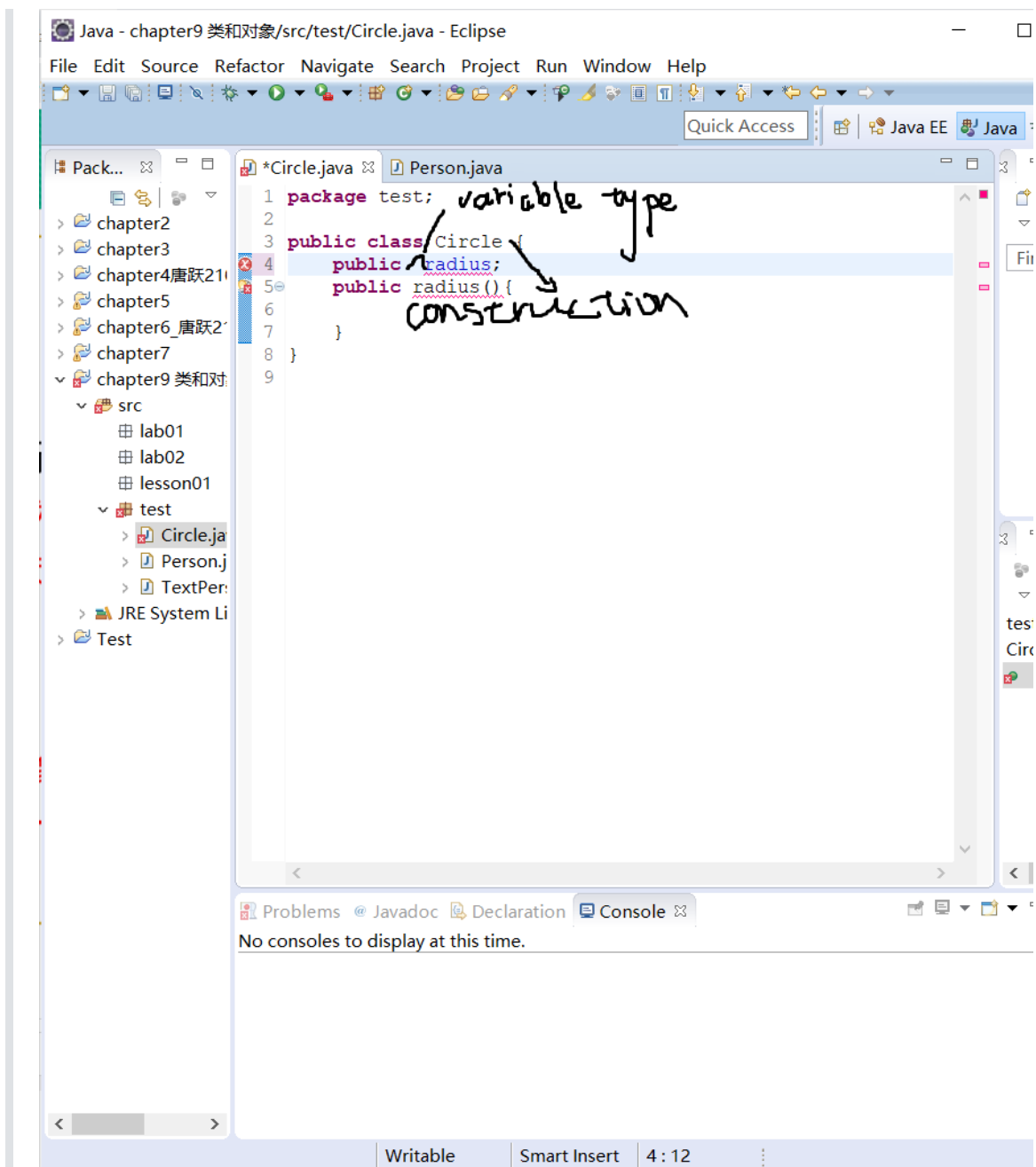


# variable method

in addition to the main class,other public can be removed

**Circle.java**   Person.java   TextPerson.java

```
1  ckage test;
2
3  blic class Circle {
4      public double radius;
5      public Circle(){
6          radius = 1.0;
7      }
8      public Circle(double radiusp){
9          radius=radiusp;
10     }
11     public void getArea1(){
12         System.out.println("圆的面积是："+(radius*radius*3.14));
13     }
14     double getArea2(){
15         return radius*radius*3.14;
16     }
17
18         Variable   method
19         return  value
```

**TestCircle.java**

```
1  package test;
2
3  public class TestCircle {
4
5      public static void main(String[] args) {
6          Circle c1 = new Circle();
7          Circle c2 = new Circle(5.0);
8          c1.getArea1();
9          double getarea2=c2.getArea2();
10         System.out.println("圆2的面积是："+getarea2);
11     }
12
13  }

              call  value
```

Tas...

Find   ▸ All ▸

Outl...

test
TestCircle
  main(String[]) : v

⚠ Problems   Javadoc   Declaration   🖥 Console

&lt;terminated&gt; TestCircle [Java Application] D:\njcit\JAVA\jre8\bin\javaw.exe (2022年2月23日 下午6:40:27)
圆的面积是：3.14
圆2的面积是：78.5

# Variable no ();

```
1  package test;
2
3  public class Car {
4      String name();
5
6  }
7
```

# The parameterless construction method can also be assigned

```java
package test;

public class Car {
    String name;
    double price;
    double speed;
    void speedUp(int newSpeed) {
        speed = newSpeed;
    }
    void stop() {
        speed=0;
    }

}
```