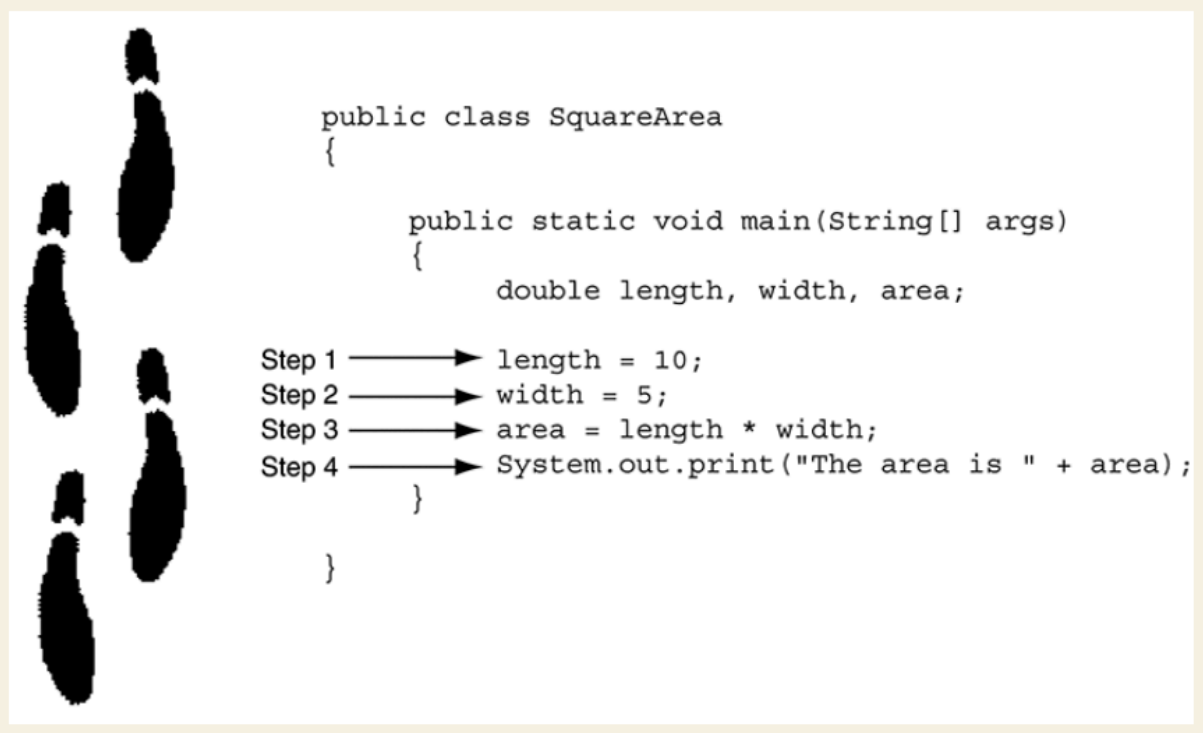


Class Notes 9/17

We went over some possible test questions and highlighted what may be on the exam

Sequence structure



More possible Questions

Self-review

This won't affect your score

Checkpoint 3.1-3

2 tries left



In a flowchart, which symbol represents a yes/no question or a true/false condition?

- ☐ rectangle
- ☐ parallelogram
- ☐ oval
- ☒ diamond

Nice work!

Using Relational Operators to Form Conditions

Typically, the boolean expression that is tested by an `if` statement is formed with a relational operator. A relational operator determines whether a specific relationship exists between two values. For example, the greater than operator (`>`) determines whether one value is greater than another. The equal to operator (`==`) determines whether two values are equal. **Table 3-1** lists all of the Java relational operators.

Need to know the blueJ template because that is going to be asked

```
/**
 * Description
 * _____
 * _____
 * @author _____
 * @version _____
 */
//Template we will start with
public class CopyOfTemplateS
{
    public static void main(String[] args)
    {
    }

    public static void method1()
    {
    }

    public static void method2()
    {
    }

    public static void method3()
    {
    }
}
```

Do the Checkpoint Practice
The if statement 117

Section 3.3 Nested of state,ets: TestResults.java
We corrected the code and ran it. Not complete

```
25 testScore = keyboard.nextInt(); // .nextDouble();
26
27 // Display the grade.
28 if (testScore < 50)
29 {
30     System.out.println("Your grade is F.");
31 }
32 else
33 {
34     if (testScore < 60)
35     {
36         System.out.println("Your grade is D.");
37     }
38     else
39     {
40         if (testScore < 70)
41         {
42             System.out.println("Your grade is C.");
43         }
44         else
45         {
46             if (testScore < 80)
47             {
48                 System.out.println("Your grade is B.");
```

```

48         System.out.println("Your grade is B.");
49     }
50     else
51     {
52         System.out.println("Your grade is A.");
53     }
54 }
55 }
56 }
57 }
58

```

Looked at the logical & operator

```

150 // Determine whether the user qualifies for the loan.
151 if (salary >= 50000 && yearsOnJob >= 2)
152 {
153     System.out.println("You qualify for the loan.");
154 }
155 else
156 {

```

This must full both conditions to run so it variable salary would have to be bigger than or equal to 50000 and greater than or equal to 2.

```

Enter your annual salary: 51111
Enter the number of years at your cur
You qualify for the loan.

```