

Practice Quiz

TOTAL POINTS 8

1. The IF statement works with the relational operators to execute a block of code only if some condition is _____.

1 / 1 point

- ☐ within braces
- ☒ true
- ☐ false

✓ **Correct**

Yes!

2. In a single statement code block, do you need the braces to execute one statement when your IF condition is true?

1 / 1 point

- ☒ No
- ☐ Yes

✓ **Correct**

Right. The braces aren't required in a single statement code block, but it is best practice to include them.

3. What is the following an example of?

1 / 1 point

```
if( highTide > bridgeHeight )
```

```
    System.out.println("Get the boat!");
```

```
else
```

```
    System.out.println("Get the car.");
```

- ☒ An IF - ELSE statement
- ☐ A SINGLE-line statement
- ☐ An ELSE statement.

✓ **Correct**

You got it!

4. What is the following an example of?

1 / 1 point

```
if ( x > 3 ) {  
    System.out.println("X is greater than 3.");  
    if ( y < 9 ) {  
        System.out.println("Y is greater than 9.");  
        z = x+y;  
    }  
    x--;  
}
```

- ☐ A multi-IF statement
- ☐ An IF statement.
- ☒ A Nested IF statement



Correct

Yes! That's right!

5. What helps with readability when writing code?

1 / 1 point

- ☒ Indentation
- ☐ Using // to denote where code begins.
- ☐ Numbering your lines of code.



Correct

Right!

6. True or false: An ELSE statement can also include an IF statement.

1 / 1 point

- ☒ True
- ☐ False



Correct

Yes, it can!

7. _____ expressions produce a value based on the truth of the expression.

1 / 1 point

- ☒ Ternary
- ☐ Else-If
- ☐ Switch



Correct

You got it!

8. What is an alternative to complex nested IF statements?

1 / 1 point

- ☐ An ELSE-IF statement
- ☒ A SWITCH statement
- ☐ A WHILE statement



Correct

Yes!