Java Booleans

‹ Previous
Next ›

Java Booleans

Very often, in programming, you will need a data type that can only have one of two values, like:

- YES / NO
- ON / OFF
- TRUE / FALSE

For this, Java has a `boolean` data type, which can take the values `true` or `false`.

Boolean Values

A boolean type is declared with the `boolean` keyword and can only take the values `true` or `false`:

Example

```
boolean isJavaFun = true;
boolean isFishTasty = false;
```

```
System.out.println(isJavaFun);     // Outputs true
System.out.println(isFishTasty);   // Outputs false
```

Try it Yourself »

However, it is more common to return boolean values from boolean expressions, for conditional testing (see below).

Boolean Expression

A **Boolean expression** is a Java expression that returns a Boolean value: `true` or `false`.

You can use a comparison operator, such as the **greater than** (`>`) operator to find out if an expression (or a variable) is true:

Example

```
int x = 10;
int y = 9;
System.out.println(x > y); // returns true, because 10 is higher than 9
```

Try it Yourself »

Or even easier:

Example

```
System.out.println(10 > 9); // returns true, because 10 is higher than 9
```

Try it Yourself »

In the examples below, we use the **equal to** (`==`) operator to evaluate an expression:

Example

```
int x = 10;
System.out.println(x == 10); // returns true, because the value of x is equal to
```

Try it Yourself »

Example

```
System.out.println(10 == 15); // returns false, because 10 is not equal to 15
```

Try it Yourself »

The Boolean value of an expression is the basis for all Java comparisons and conditions.

You will learn more about conditions in the next chapter.

Test Yourself With Exercises

Exercise:

Fill in the missing parts to print the values `true` and `false` :

```
        isJavaFun = true;
        isFishTasty = false;
System.out.println(isJavaFun);
System.out.println(isFishTasty);
```

Submit Answer »

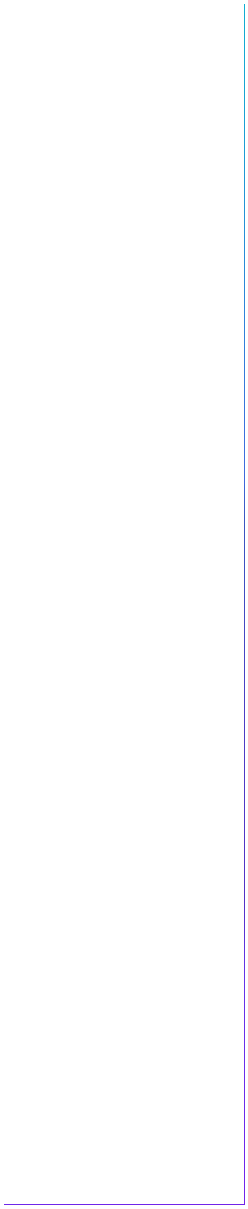
Start the Exercise

‹ Previous

Next ›

COLOR PICKER

CODE GAME



Top Tutorials

HTML Tutorial
CSS Tutorial
JavaScript Tutorial
How To Tutorial
SQL Tutorial
Python Tutorial
W3.CSS Tutorial
Bootstrap Tutorial

PHP Tutorial
Java Tutorial
C++ Tutorial
jQuery Tutorial

Top References

HTML Reference
CSS Reference
JavaScript Reference
SQL Reference
Python Reference
W3.CSS Reference
Bootstrap Reference
PHP Reference
HTML Colors
Java Reference
Angular Reference
jQuery Reference

Top Examples

HTML Examples
CSS Examples
JavaScript Examples
How To Examples
SQL Examples
Python Examples
W3.CSS Examples
Bootstrap Examples
PHP Examples
Java Examples
XML Examples
jQuery Examples

Get Certified

HTML Certificate
CSS Certificate
JavaScript Certificate
Front End Certificate
SQL Certificate
Python Certificate
PHP Certificate
jQuery Certificate
Java Certificate
C++ Certificate
C# Certificate
XML Certificate