

Beginners Book: Java Basics

Lesson 11: do-while Loop In Java

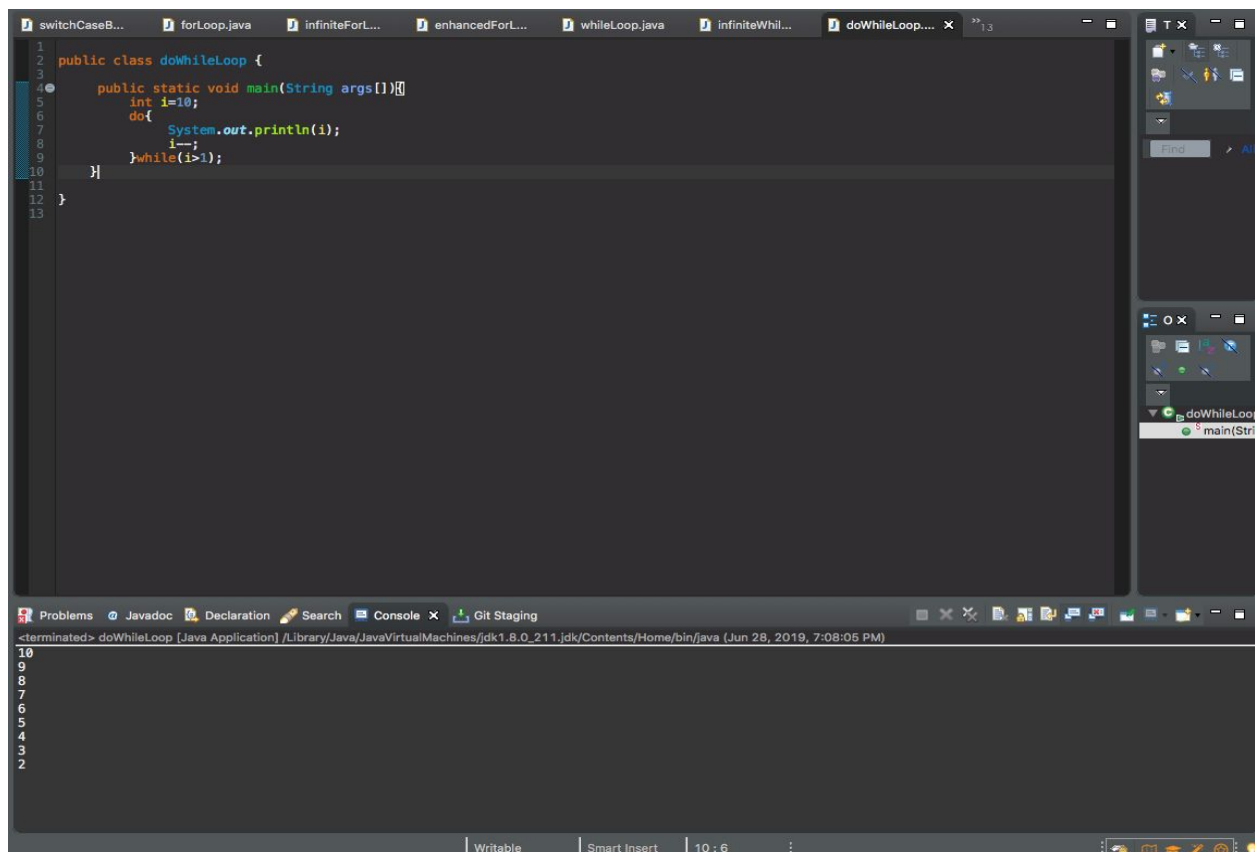
do-while Loop:

A do-while loop is similar to while loop, however there is a difference between them: In while loop, the condition is evaluated before the execution of loop's body but in do-while loop condition is evaluated after the execution of loop's body. First, the statements inside loop execute and then the condition gets evaluated, if the condition returns true then the control gets transferred to the "do" else it jumps to the next statement after do-while.

do-while Loop Syntax:

```
do
{
    statement(s);
} while(condition);
```

Example:



The screenshot shows an IDE with a Java file named `doWhileLoop.java`. The code defines a class `doWhileLoop` with a `main` method. Inside the `main` method, an integer `i` is initialized to 10. A `do-while` loop is used to print the value of `i` and then decrement it by 1, as long as `i` is greater than 1. The console output shows the numbers 10, 9, 8, 7, 6, 5, 4, 3, 2, and 1, each on a new line.

```
1 public class doWhileLoop {
2
3
4     public static void main(String args[]) {
5         int i=10;
6         do{
7             System.out.println(i);
8             i--;
9         }while(i>1);
10    }
11 }
12
13
```

Console Output:

```
<terminated> doWhileLoop [Java Application] /Library/Java/JavaVirtualMachines/jdk1.8.0_211.jdk/Contents/Home/bin/java (Jun 28, 2019, 7:08:05 PM)
10
9
8
7
6
5
4
3
2
1
```

