Beginners Book: Java Basics

Lesson 10: while Loop In Java

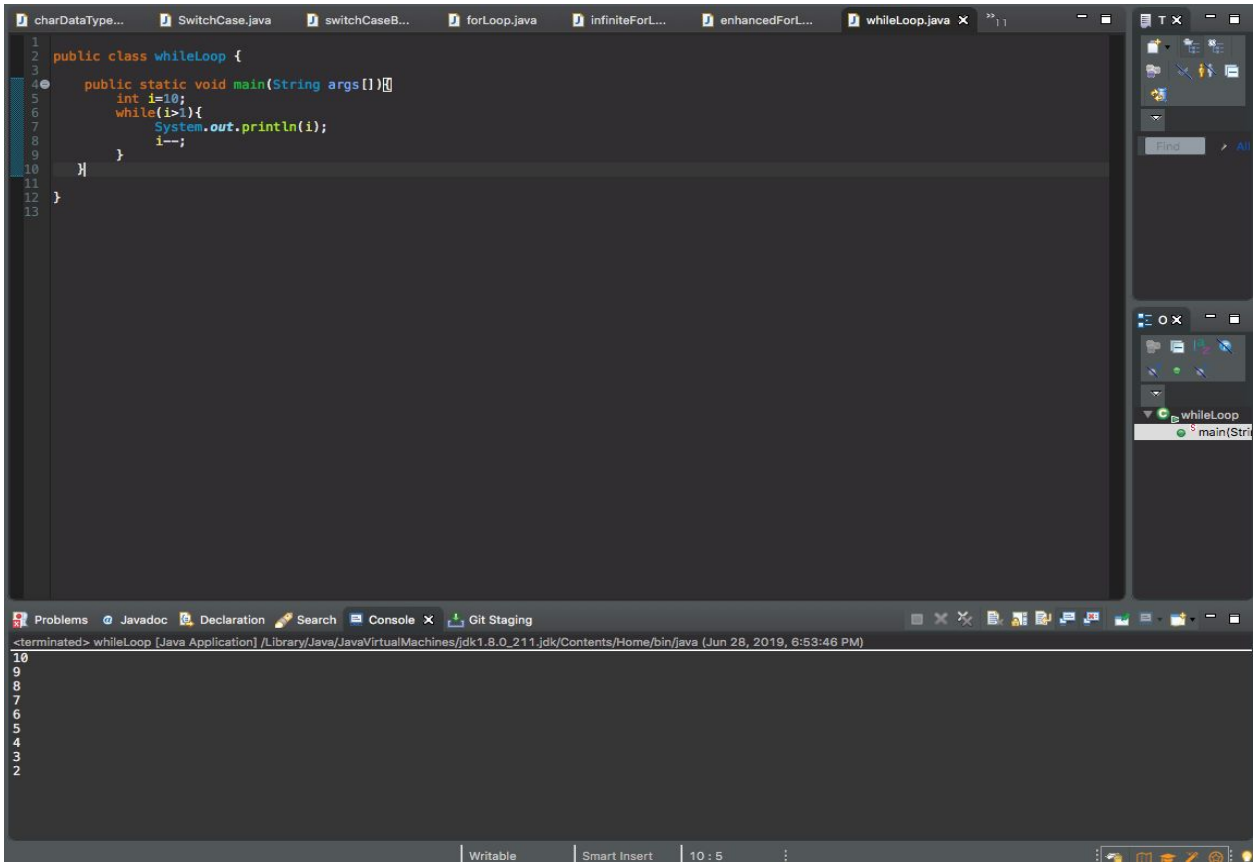
while Loop:

In a while loop, the condition is evaluated first and if it returns true then the statements inside the while loop will execute. When condition returns false, the control comes out of loop and jumps to the next statement after the while loop. When using while loop it is important to use increment or decrement statement inside while loop so that the loop variable gets changed on each iteration and at some point condition returns false. This the execution of while loop will end otherwise the loop would execute indefinitely.

while Loop Syntax:

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

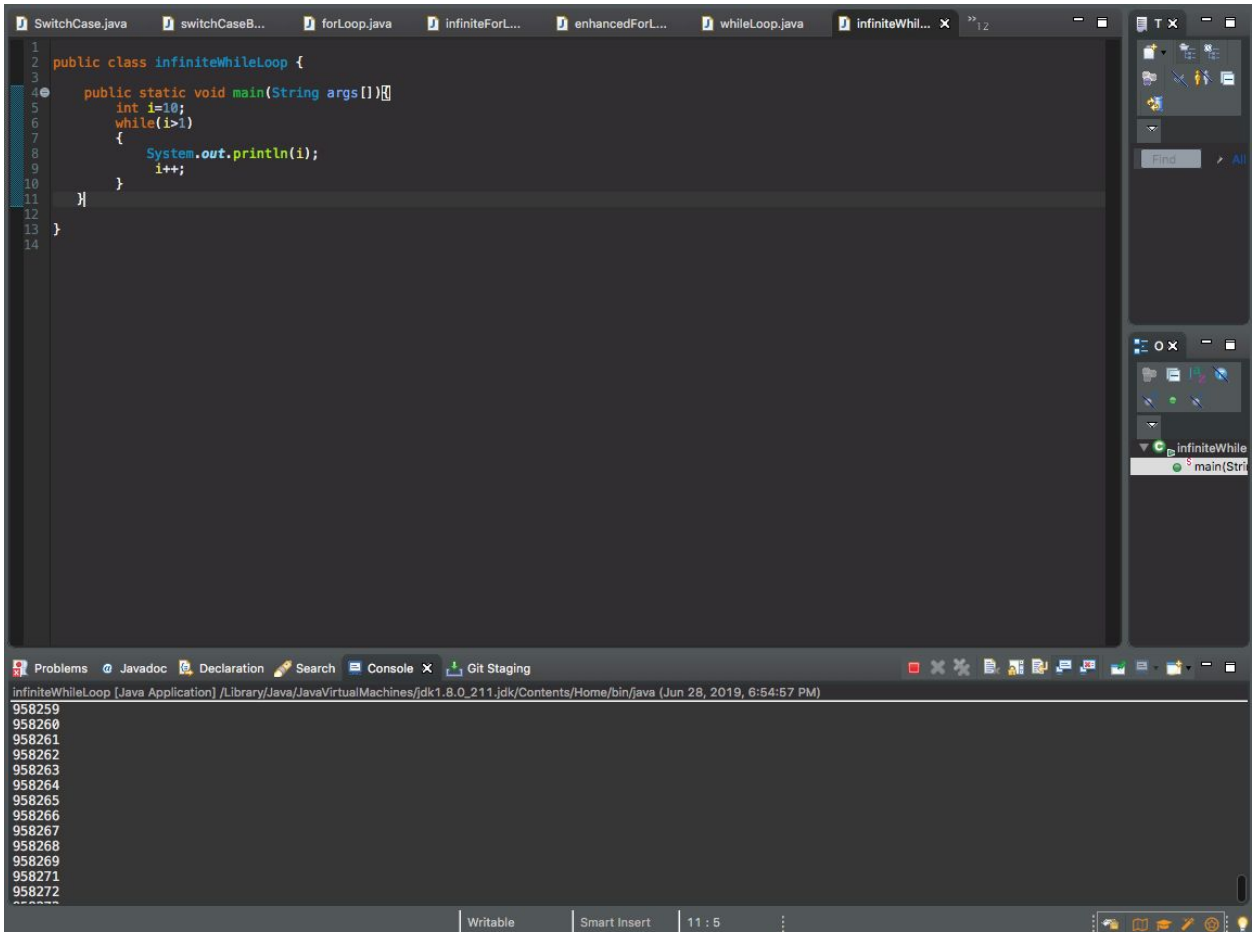
Example:



Infinite while Loop:

In a while loop, the condition is evaluated first and if it returns true then the statements inside the while loop will execute. When condition returns false, the control comes out of loop and jumps to the next statement after the while loop. When using while loop it is important to use increment or decrement statement inside while loop so that the loop variable gets changed on each iteration and at some point condition returns false. This the execution of while loop will end otherwise the loop would execute indefinitely.

Example:



**The program continues to print the value of the variable i to the terminal increasing it by 1 each time because the condition is i>1 which would always be true as we are incrementing the value of i inside while loop.