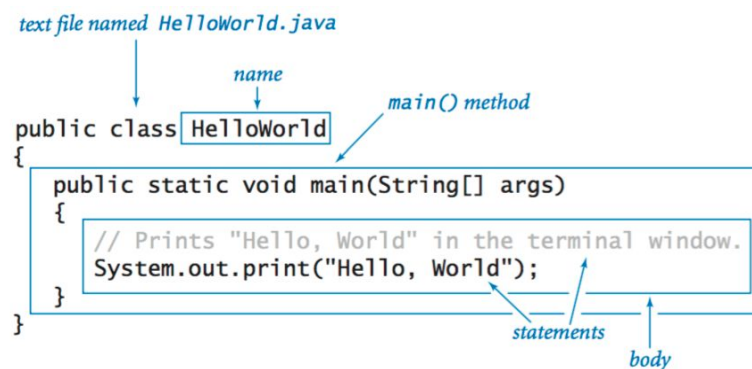


Cheatsheet for Java beginners

1. Hello World program:



2. Integer operations:

<i>values</i>	integers between -2^{31} and $+2^{31}-1$					
<i>typical literals</i>	1234 99 0 1000000					
<i>operations</i>	<i>sign</i>	<i>add</i>	<i>subtract</i>	<i>multiply</i>	<i>divide</i>	<i>remainder</i>
<i>operators</i>	+ -	+	-	*	/	%

3. Comparison operators:

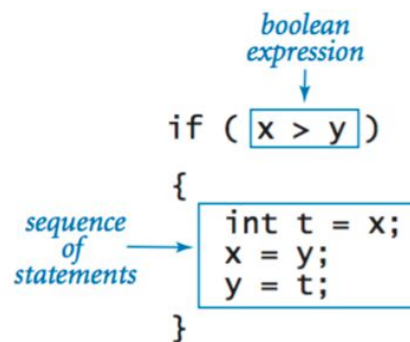
<i>op</i>	<i>meaning</i>	<i>true</i>	<i>false</i>
<code>==</code>	<i>equal</i>	<code>2 == 2</code>	<code>2 == 3</code>
<code>!=</code>	<i>not equal</i>	<code>3 != 2</code>	<code>2 != 2</code>
<code><</code>	<i>less than</i>	<code>2 < 13</code>	<code>2 < 2</code>
<code><=</code>	<i>less than or equal</i>	<code>2 <= 2</code>	<code>3 <= 2</code>
<code>></code>	<i>greater than</i>	<code>13 > 2</code>	<code>2 > 13</code>
<code>>=</code>	<i>greater than or equal</i>	<code>3 >= 2</code>	<code>2 >= 3</code>

4. Booleans and logical operators:

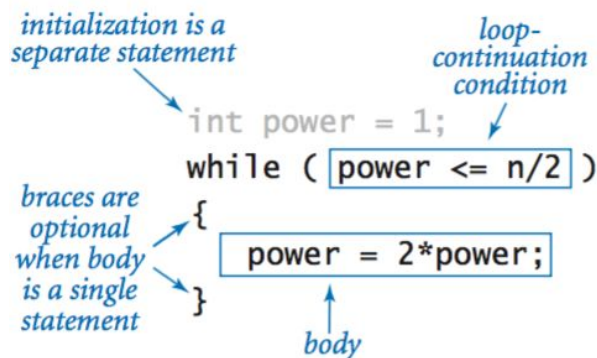
<i>values</i>	<i>true or false</i>		
<i>literals</i>	<code>true</code>	<code>false</code>	
<i>operations</i>	<code>and</code>	<code>or</code>	<code>not</code>
<i>operators</i>	<code>&&</code>	<code> </code>	<code>!</code>

<i>a</i>	<i>!a</i>	<i>a</i>	<i>b</i>	<i>a && b</i>	<i>a b</i>
<code>true</code>	<code>false</code>	<code>false</code>	<code>false</code>	<code>false</code>	<code>false</code>
<code>false</code>	<code>true</code>	<code>false</code>	<code>true</code>	<code>false</code>	<code>true</code>
		<code>true</code>	<code>false</code>	<code>false</code>	<code>true</code>
		<code>true</code>	<code>true</code>	<code>true</code>	<code>true</code>

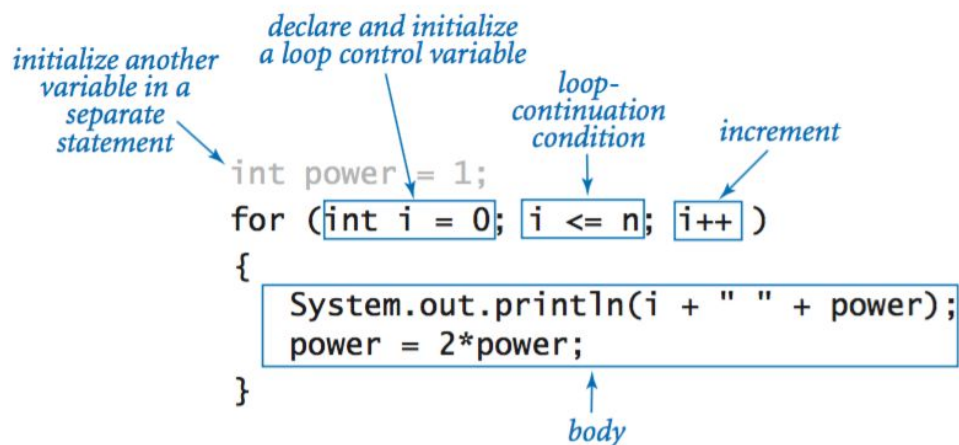
5. If statement:



6. While loop:



7. For loop:



These and many more tips can be found on the following website:

<http://introcs.cs.princeton.edu/java/11cheatsheet/>