

## Declaration / Initialisation

<i>V</i>	<i>Java</i>
integer x is to 5 * 11	<code>int x = 5 * 11;</code>
integer y is -19 + 10	<code>int y = -19 + 10;</code>
binary f is true	<code>boolean f = true;</code>
binary c is false	<code>Boolean c = false;</code>
decimal num is 1.2	<code>double num = 1.2;</code>
decimal num2 is -17.8 / 2 * 3 + 5	<code>double num2 = -17.8 / 2 * 3 + 5</code>
List of integer nums has 5 , 2, 3 divided by 5	<code>int[] nums = new int[]{5, 2, 3/5}</code>
List of integer nums2 has 10 elements	<code>int[] nums2 = new int[10];</code>

## Assignment

<i>V</i>	<i>Java</i>
X is x + 5	<code>int x = x + 5;</code>
x is x * 11	<code>x = x * 11;</code>
f is true	<code>f = true;</code>
c is false	<code>c = false;</code>
num is 1.2	<code>num = 1.2;</code>
num2 is 5.7 * 8.3 / 2	<code>num2 = 5.7 * 8.3 / 2</code>

## Conditionals

<i>V</i>	<i>Java</i>
if 5 equals num print( 5 ) end if	if (num == 5) { System.out.println(5); }
if 5 > num print( 5 ) end if	if (num < 5) { System.out.println(5); }
if (f) print( 5 ) end if	if (f) { System.out.println(5); }
if ( true not equals c ) print( 5 ) end if	if (!c) { System.out.println(5); }

## Loops

<i>V</i>	<i>Java</i>
for 5 times print( 5 ) end loop	for(int i = 0; i < 5; i++) { System.out.println(5); }
for 10 times print( 5 * 5 ) end loop	for(int i = 0; i < 10; i++) { System.out.println(5 * 5); }
while a < 2 print a a is a + 1 end loop	while(a < 2) { System.out.println(5 * 5); a += 1; }
while a < b	while(a < b)

<pre> print a a is a + 1 end loop </pre>	<pre> { System.out.println(5 * 5); a += 1; } </pre>
<pre> from x is 6 to 10 print x end loop </pre>	<pre> for(int i = 6; i &lt; 10; i++) { System.out.println(i); } </pre>
<pre> from x is 10 to 6 print x end loop </pre>	<pre> for(int i = 10; i &gt; 6; i--) { System.out.println(i); } </pre>