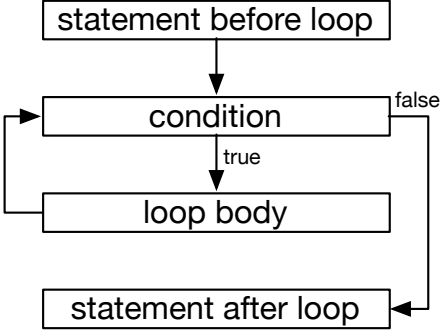
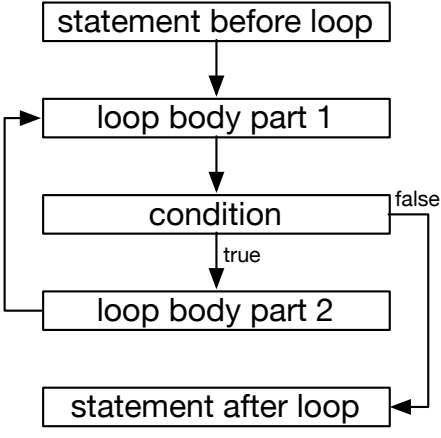
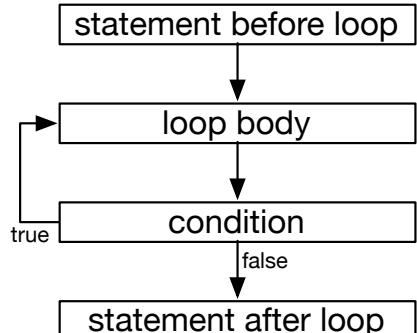


While Loops

Python	Java
<pre>while condition: statement statement ...more statements...</pre>	<pre>while (condition) { statement statement ...more statements... }</pre>
<p>Test at beginning of loop:</p>  <pre> graph TD A[statement before loop] --> B[condition] B -- true --> C[loop body] C --> B B -- false --> D[statement after loop] </pre>	<pre>statement before Loop while (condition) { code block } statement after Loop</pre>
<p>Test in middle of loop:</p>  <pre> graph TD A[statement before loop] --> B[loop body part 1] B --> C[condition] C -- true --> D[loop body part 2] D --> C C -- false --> E[statement after loop] </pre>	<pre>statement before Loop while (condition) { Loop body part 1 if (!condition) { break; // reverse Logic } Loop body part 2 } statement after Loop</pre>
<p>Test at end of loop:</p>  <pre> graph TD A[statement before loop] --> B[loop body] B --> C[condition] C -- true --> B C -- false --> D[statement after loop] </pre>	<pre>statement before Loop while (true) { code block if (!condition) { break; // reverse Logic } } statement after Loop ---OR--- do { code block } while (condition);</pre>

