**While Loops**

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| **Python** | **Java** |
| **while** *condition*:  *statement*  *statement*  *…more statements…* | **while** (*condition*)  **{**  *statement*  *statement*  *…more statements…*  **}** |

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| **Test at beginning of loop:** | *statement before loop*  **while** (*condition*)  **{**  *code block*  **}**  *statement after loop* |
| **Test in middle of loop:** | *statement before loop*  **while** (*condition*)  **{**  *loop body part 1*  ***if*** *(!condition) {*  ***break****; // reverse logic  }*  *loop body part 2*  **}**  *statement after loop* |
| **Test at end of loop:** | *statement before loop*  **while** (*true*)  **{**  *code block*  ***if*** *(!condition) {*  ***break****; // reverse logic  }*  **}**  *statement after loop*  **---OR---**  **do{** *code block* **} while** (*condition*)**;** |