

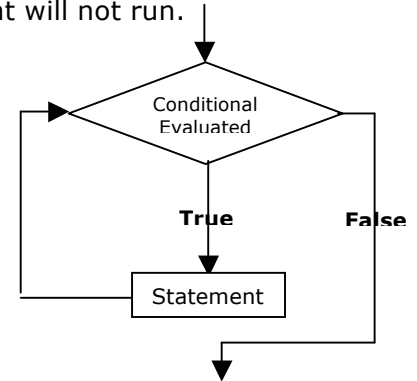
Loops Handout

- Repetition statement which allows us to execute another statement multiple times
- Loops evaluates a Boolean condition and executes a statement if the condition is true
- The repetition continues until the condition becomes false then continues with the statement after the body of the loop
- There are three types of loops, while, do and for loops

While Loop

- The while loop keeps on running the Statement as long as the Boolean expression is true. If it is false the first time then the statement will not run.

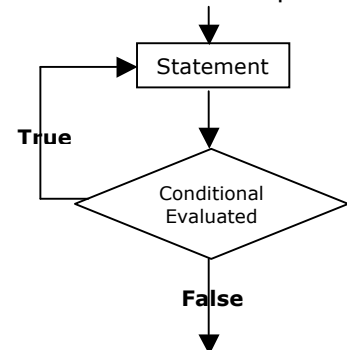
Example: var number = 1; while (number <= 5) { document.write(number); number++; }	Output: 1 2 3 4 5
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Do Loop

- The do loop keeps on executing the Statement as long as the Boolean is true. The Statement is executed at least once and then the conditional is checked. If the conditional is false it will continue to run the rest of the code outside the loop.

Example: var number = 1; do { document.write(number); number++; } while (number <= 5);	Output: 1 2 3 4 5
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For Loop

- The for loop like all other loops repeatedly executes the Statement as long as the Boolean is true. The For Init is executed once before the loop begins and then a conditional is checked and lastly there is an updater.

Example: for (var i=1;i<=5;i++) { document.write(i); }	Output: 1 2 3 4 5
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