

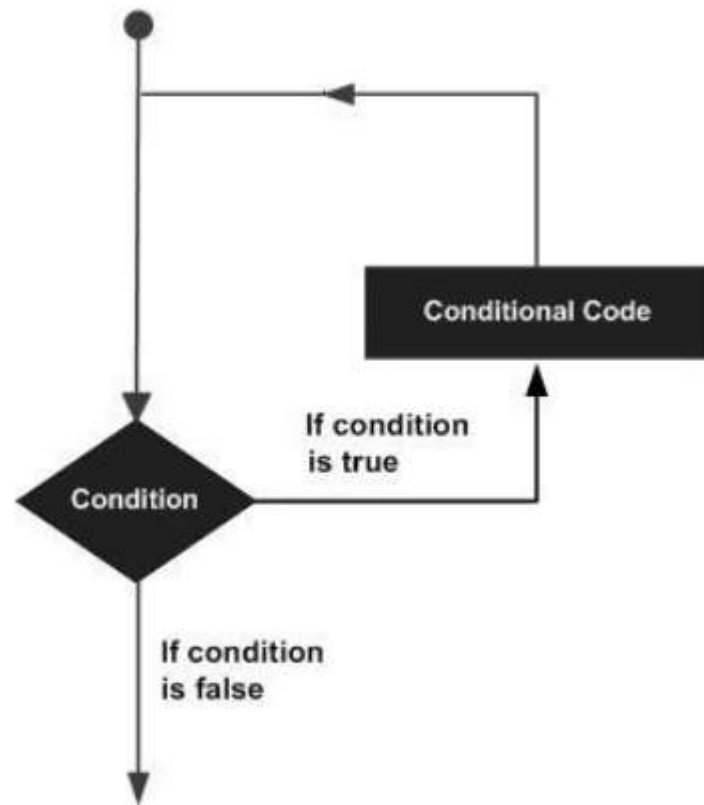
# F# - LOOPS

[http://www.tutorialspoint.com/fsharp/fsharp\\_loops.htm](http://www.tutorialspoint.com/fsharp/fsharp_loops.htm)

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Programming languages provide various control structures that allow for more complicated execution paths.

A loop statement allows us to execute a statement or group of statements multiple times and following is the general form of a loop statement in most of the programming languages –



F# provides the following types of loops to handle the looping requirements.

Loop Type	Description
<a href="#">for... to and for... downto expressions</a>	The for...to expression is used to iterate in a loop over a range of values of a loop variable. The for...downto expression reduces the value of loop variable.
<a href="#">for ... in expression</a>	This form of for loop is used to iterate over collections of items i.e., loops over collections and sequences
<a href="#">While...do loop</a>	Repeats a statement or group of statements while a given condition is true. It tests the condition before executing the loop body.
<a href="#">nested loops</a>	You can use one or more loop inside any other for or while loop.