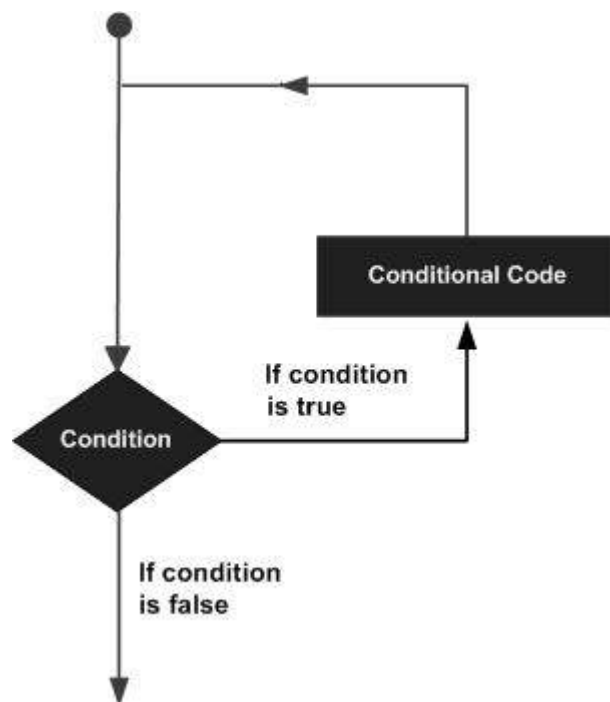# R - Loops

There may be a situation when you need to execute a block of code several number of times. In general, statements are executed sequentially. The first statement in a function is executed first, followed by the second, and so on.

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 the following is the general form of a loop statement in most of the programming languages −

R programming language provides the following kinds of loop to handle looping requirements. Click the following links to check their detail.

Sr.No.	Loop Type & Description
1	**repeat loop** Executes a sequence of statements multiple times and abbreviates the code that manages the loop variable.
2	**while loop** Repeats a statement or group of statements while a given condition is true. It tests the condition before executing the loop body.
3	**for loop** Like a while statement, except that it tests the condition at the end of the loop body.

Loop Control Statements

Loop control statements change execution from its normal sequence. When execution leaves a scope, all automatic objects that were created in that scope are destroyed.

R supports the following control statements. Click the following links to check their detail.

Sr.No.	Control Statement & Description
1	**break statement** Terminates the **loop** statement and transfers execution to the statement immediately following the loop.
2	**Next statement** The **next** statement simulates the behavior of R switch.