# Do-while Loop

This lesson introduces the concept of do-while loop in C# using an example

# WE'LL COVER THE FOLLOWING ^ Introduction Syntax When is do-while used?

## Introduction #

The **do...while** loop is nearly identical to the **while** loop, but instead of checking the *conditional* statement before the loop starts, the **do...while** loop checks the *conditional* statement **after** the *first* run, then continuing onto another iteration. This results in executing the loops at least **once**.

### Syntax #

The *syntax* is as follows:

```
do
{
    /// do something
} while(condition) /// loop while the condition satisfies

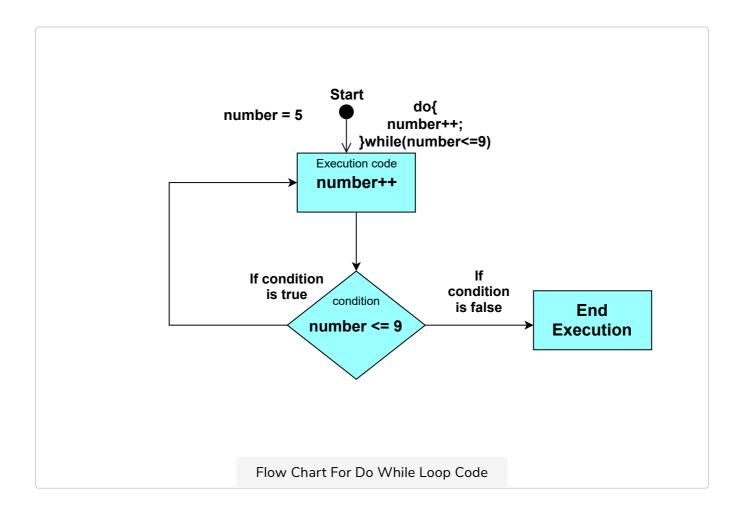
Do-while Syntax
```

As you can see, it will run the loop **at least** once before checking the conditional.

**Note:** The **do...while** loop is still haunted by *infinite* loops, so exercise the same caution with the **do...while** loop as you would with the **while** loop. Its usefulness is much more limited than the **while** loop, so use this only when necessary.

Below is an example showing how to implement the **do...while** loop in **C**#.

Below is an *illustration* of the code above to help you better understand the logic.



# When is do-while used? #

A do-while loop is used where your loop should execute at least one time.

For example, let's consider a scenario where we want to take an *integer* input from the user until the user has entered a **positive** number. In this case, we will use a **do-while** as we have to run loop **at-least once** because we want input from user at-least once. This loop will continue running until the user enters a **positive** number.

That's all the major stuff you needed to know about the workings of while and do...while loops in C#. Let's learn about for loops in the next lesson.