

# Learn C++ : Loops

## while Loop

In C++, a `while` loop statement repeatedly executes the code block within as long as the condition is `true`. The moment the condition becomes `false`, the program will exit the loop.

Note that the `while` loop might not ever run. If the condition is `false` initially, the code block will be skipped.

```
while (guess != 8) {  
  
    std::cout << "Try again: ";  
    std::cin >> guess;  
  
}
```

## for Loop

In C++, a `for` loop executes a code block a specific number of times. It has three parts:

- The initialization of a counter
- The continue condition
- The increment/decrement of the counter

This example prints 0 to 9 on the screen.

```
for (int i = 0; i < 10; i++) {  
  
    std::cout << i << "\n";  
  
}
```