INTRODUCTION TO *JAVASCRIPT* WHILE LOOPS

WHILE LOOPS

A WHILE statement is a loop that continually runs piece of code as long as a given condition is true. This is what a basic WHILE loop looks like in JavaScript:

```
while (condition) {
  statement
}
```

WHILE loops often use the same or similar conditions to IF ELSE statements but are used in different situations:

- IF statements are used when we want to run the code inside of the statement *once* if a given condition is true.
- WHILE loops are used when we want to run the code inside of the statement *continually* while a given condition is true.

If the condition never becomes false, the code inside of the while loop will run forever! To avoid this, it is important that we update at least one of the values in the condition during each iteration

In the example below, as long as 3 is greater than the value of n, keep adding 1 to n. The final value of n that we would expect to get printed to the console is 3.

```
let n = 0;
while (3 > n) {
  n = n + 1;
}
console.log(n);
```

If you want to read about JavaScript WHILE loops in more detail, check out this resource created by Mozilla:

- while