

CHAPTER 6 – LOOPS

JS Loops

Loops are handy, if you want to run the same code over and over again, each time with a different value.

Different Kinds of Loops

1. The For Loop

Syntax – *for (statement 1 ; statement 2 ; statement 3){*
//code block to be executed
}

Statement 1 → Initialization Area

Statement 2 → Conditional Area

Statement 3 → Increment or Decrement Area

2. The While Loop

The while loop loops through a block of code as long as a specified condition is true.

Syntax – *while (condition){*
//code block to be executed
}

3. The Do While Loop

The do while loop is a variant of the while loop. This loop will execute the code block once, before checking if the condition is true, then it will repeat the loop as long as the condition is true.

Syntax – *do {*
 //code block to be executed
 }
 while (condition);

The Loop break Statement

The loop break statement can also be used to jump out a loop.

e.g.- *for (let i=0; i < 10; i++){*
 if (i==3) {break;}
 *text += "The number is " + i + "
";*
 }

The break statement ends the loop ("breaks" the loop) when the loop counter (i) is 3.

The Loop continue Statement

The continue statement breaks one iteration, if a specified condition occurs, and continues with the next iteration in the loop.

e.g.- *for (let i=0; i < 10; i++){*
 if (i==3) {continue;}
 *text += "The number is " + i + "
";*
 }

This example skips the value of 3.