Week 10

- Loops
- Break statement
- Factorials

Loops

The most common loops are the for and while loops.

```
while while (condition) {
      code block to be executed
}

for for (statement 1; statement 2; statement 3) {
      code block to be executed
}
```

Examples:

```
var i;
while (i <= 10) {
    console.log(i);
    i = i + 1;
}

var i;
for (i = 0; i <= 10; i ++) {
    console.log(i);
}</pre>
```

Both loops will count from 0 to 10, but the code is different.

Break Statement

```
var i;
for (i = 0; i < 10; i++) {
    if (i === 3) { break; }
    text += "The number is " + i;
}</pre>
Output:
The number is 0
The number is 1
The number is 2
```

The break statement is used to jump out of a loop. It breaks the loop if the condition is met and executes the code after the loop.