Day 7

✡ Loop:-

Types of loop -

1) for loop -

The for-loop is a structured loop with a specific conditional structure where a counter variable must be set. Then a condition must be specified and finally the counter must be incremented. This can either be on increase or a decrease depending on our needs.

e.g

```
for ( var i = 1 ; i<4 ; i++) {
        console.log (i);
}
```

2) while loop -

The while loop is similar to the for loop. It will also run for as long as the condition returns true. However the start counter is set outside of the while loop and the incrementing is done inside the loop's body.

e.g

```
var i = 1;
while ( i<4) {
        console.log (i);
        i = i+1;
}
```

* Nested loop -

In javascript it's possible to next loops
so that multiple tasks con be performed at once.
There con be multiple levels of nesting too

e·g

```
for (var i = 0; i < 2; i++) {          ⟵——— outer loop
      for (var j = 1; j <= 7; j++) {      ⟵— inner
           console.log ("week" + i + "day" + j)    loop
      }
}
```