LOOPING

```javascript
for (var i = 0; i < 10; i++) {
        document.write(i);
}
```

is 0 < 10?   add 1 to 0   is 1 < 10?   add 1 to 1   is 8 < 10?   add 1 to 8   is 9 < 10?   add 1 to 9   is 10 < 10?

write to page:

0

write to page:

1

write to page:

8

write to page:

9

START   **i = 0**   **i = 1**   **i = 2**   **i = 8**   **i = 9**   **i = 10**   **END**
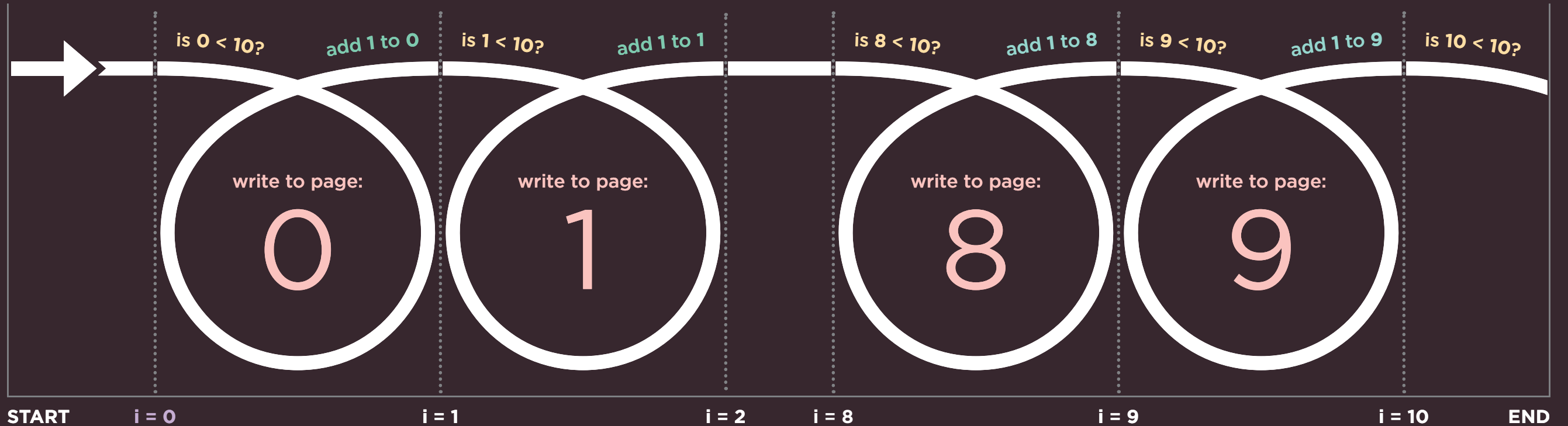
The first time the loop is run, the variable **i** (the counter) is assigned a value of zero.

Every time the loop is run, the condition is checked. Is the variable **i** less than 10?

Then the code inside the loop (the statements between the curly brackets) is run.

The variable **i** can be used inside the loop. Here it is used to write a number to the page.

When the statements have finished, the variable **i** is incremented by 1.

When the condition is no longer true, the loop ends. The script moves to the next line of code.