

WHILE LOOPS

IN THIS LESSON

Loops

While loops

While loop syntax

While loop example

Do while loop syntax & example

LOOPS

Loops are a way to repeat a block of code

Several ways to create loops in JavaScript

WHILE LOOPS

While loops evaluate a condition that you set

As long as the condition evaluates as **true**, it will
continue to loop

At every iteration, the condition will be re-evaluated

WHILE LOOP SYNTAX

```
while (condition to be evaluated) {  
    ... code to run while the condition evaluates as true ...  
}
```

Something must happen inside the while loop
to cause the condition to be evaluated as **false**

Otherwise, there would be no way to exit the loop

WHILE LOOP EXAMPLE

```
let i = 0;  
while (i < 5) {  
  i += 1;  
  console.log('This is iteration #' + i);  
}
```

```
> let i = 0;  
< undefined  
  
> while (i < 5) {  
    i += 1;  
    console.log('This is iteration #' + i);  
}
```

This is iteration #1

This is iteration #2

This is iteration #3

This is iteration #4

This is iteration #5

< undefined

>

DO ... WHILE LOOP SYNTAX

```
do {  
    ... code to first run once, then loop while the condition  
    evaluates as true ...  
} while (condition to be evaluated);
```

With the **while** loop, the condition is evaluated first, so if the condition is false in the beginning, the code inside the block never executes

With the **do ... while** loop, the loop block executes once before evaluating the condition - so even if the condition is false, the code inside the block will always execute at least once



Elements

Console

Sources

Network

Performance

Memory

Application

Security



top



Filter

All levels ▼

> let i = 5;

< undefined

```
> while (i < 5) {  
    i += 1;  
    console.log('This is iteration #' + i);  
}
```

< undefined

```
> do {  
    i += 1;  
    console.log('This is iteration #' + i);  
} while (i < 5);
```

This is iteration #6

< undefined

> |



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```
> let answer = '';
```

```
< undefined
```

```
> do {  
    answer = prompt('Do you like chocolate?');  
} while (answer !== 'yes');
```