

So Many Options!

Typically used on Arrays or Objects

for

Custom logic with iterator, exit condition, "iterator action"

Iterator is variable (var or let; across iterations)

for ... in ...

Loop through keys in objects

Key is constant (per iteration)

for ... of ...

Loop through values in objects

Value is constant (per iteration)

.forEach()

Execute function on every array element

Item passed as parameter to function

while

Execute any code whilst condition is met

Summary - Loops

JavaScript “knows” **a few main loop constructs**:

- **for** – Flexible iterator + exit condition
- **for-in** – For looping through keys in objects
- **for-of** – For looping through values in iterables (arrays)
- **.forEach()** – A method for looping through elements (incl. index) in arrays
- **while** – For looping until some condition is no longer met

In different loops, **different kinds of information** can be retrieved (e.g. custom iterator, keys, values, indexes, ...)