Loops in JavaScript

- **Loops help us execute a block of code repeatedly**
- **They make code efficient, shorter, and cleaner**
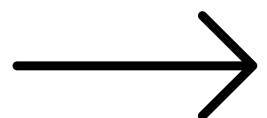
→

for loop

Runs a block for a fixed number of times.

```javascript
for (let i = 1; i <= 5; i++) {
  console.log(i);
}
```
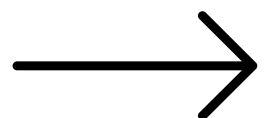
while loop

Runs as long as the condition is true.

```
let i = 1;
while (i <= 5) {
  console.log(i);
  i++;
}
```
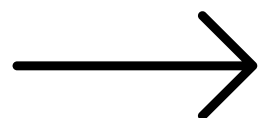
do...while loop

Executes the block at least once, then checks the condition.

```javascript
let i = 1;
do {
  console.log(i);
  i++;
} while (i <= 5)
```
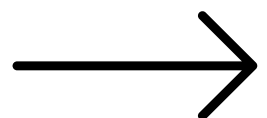
for...in loop

Iterates over object
properties

```javascript
let user = {name: "Tushar", age: 21};
for (let key in user) {
  console.log(key, user[key]);
}
```

Swipe to next slide →

for...of loop

Iterates over iterables
(arrays, strings, etc.)

```javascript
let colors = ["red", "green", "blue"];
for (let color of colors) {
  console.log(color);
}
```