



# JAVASCRIPT MASTERY

## 3.Loops in JavaScript

### 1.for loop

- Repeats a block of code a specific number of times.
- Example:

```
for (let i = 0; i < 5; i++) {  
  console.log(i);  
}
```

### 2.while loop

- Executes a block while a condition is true.
- Example:

```
let x = 0;  
while (x < 5) {  
  console.log(x);  
  x++;  
}
```

### 3.do...while loop

- Executes a block at least once before checking the condition.
- Example:

```
let y = 0;  
do {  
  console.log(y);  
  y++;  
} while (y < 5);
```



# JAVASCRIPT MASTERY

## 3.Loops in JavaScript

### 4.forEach loop(for arrays)

- Iterates over each element in an array.
- Example:

```
[1, 2, 3].forEach(num => console.log(num));
```

### 5.for...in loop(for objects)

- Iterates over object properties.
- Example:

```
let obj = { a: 1, b: 2 };  
for (let key in obj) {  
  console.log(key, obj[key]);  
}
```

### 6.for...of loop(for iterables)

- Iterates over iterable objects like arrays and strings.
- Example:

```
let arr = [10, 20, 30];  
for (let value of arr) {  
  console.log(value);  
}
```