

Control flow statements help determine the execution flow in a program:

- **Conditional statements:** if , else if , else , switch .
- **Loops:**
 - for - runs a block of code a specified number of times.
 - while - runs while a condition is true.
 - do...while - executes at least once before checking the condition.
 - forEach - iterates over arrays.
 - for in - Iterates over keys of an object or indices of an array.
 - for of - Iterates Over Values.

for...in Loop

The for...in loop iterates over the properties of an object or the indices of an array.

Example with an Object:

```
let person = { name: "Alice", age: 25, city: "New York" };
for (let key in person) {
  console.log(key, ":", person[key]);
}
```

Output:

```
name : Alice
age  : 25
city : New York
```

Example with an Array:

```
let colors = ["red", "green", "blue"];
for (let index in colors) {
  console.log(index, ":", colors[index]);
}
```

Output:

```
0 : red  
1 : green  
2 : blue
```

for...of Loop

The `for...of` loop iterates over values of an iterable object like an array.

Example:

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

Output:

```
red  
green  
blue
```