

# Introduction to Web Development: JavaScript

## Class 7: Preparation

Today we will look at looping, the different programming statements, and working with different data structures. Having a good understanding of looping and iteration is a core competency in programming. Investing the time to have a deep understanding of looping in JavaScript will be time very well spent.

The different looping statement we will cover is as follows.

1. for statement
2. do...while statement
3. while statement
4. break statement
5. continue statement
6. for...in statement
7. for...of statement

### Today's learning outcomes:

- 1) Develop an understanding of the different programming statements for looping within JavaScript.

- [General Loops | Modern JavaScript From The Beginning \(oreilly.com\)](https://oreil.ly/general-loops)
- [https://developer.mozilla.org/en-US/docs/Web/JavaScript/Guide/Loops\\_and\\_iteration](https://developer.mozilla.org/en-US/docs/Web/JavaScript/Guide/Loops_and_iteration)

There is also a good collection of articles on w3schools;

- [https://www.w3schools.com/js/js\\_loop\\_for.asp](https://www.w3schools.com/js/js_loop_for.asp)
- [https://www.w3schools.com/js/js\\_loop\\_while.asp](https://www.w3schools.com/js/js_loop_while.asp)
- [https://www.w3schools.com/js/js\\_loop\\_forin.asp](https://www.w3schools.com/js/js_loop_forin.asp)
- [https://www.w3schools.com/js/js\\_loop\\_forof.asp](https://www.w3schools.com/js/js_loop_forof.asp)
- [https://www.w3schools.com/js/js\\_iterables.asp](https://www.w3schools.com/js/js_iterables.asp)
- [https://www.w3schools.com/js/js\\_array\\_iteration.asp](https://www.w3schools.com/js/js_array_iteration.asp)

- 2) Develop an introductory understanding of reading a disk file using the JavaScript fetch API. I am going to talk about this during Tuesday's lecture and we are going to look at using the Fetch API with JSON files in detail on Thursday.

- <https://www.freecodecamp.org/news/how-to-read-json-file-in-javascript/>
- <https://www.youtube.com/shorts/IBXm1n2gg-Q>