

🚩 Current Skill Introduction to Arrays



## Introduction to Arrays

**Arrays** provide us with a way to create and maintain a list of data.



An array is an ordered list of items. These items don't even have to be the same type!

```
// Declaring an array called storage containing 3 items of different types:
```

```
var storage = [ 1, 'Monday', null ];
```



```
// Accessing elements
```

```
console.log(storage[0]); // prints 1
```

```
console.log(storage[6]); // prints undefined
```



```
// Array Length
```

```
console.log(storage.length) // prints 3
```

### Accessing elements



Each element of the array can be accessed using an index **starting from zero**. The syntax for indexing is shown in the code box.

In the second example, we indexed out of the array. As we indexed beyond the length of the array the program returned undefined for storage[6].



### Array length



Arrays have lengths reflecting how many items they contain. Just keep in mind that to access the last element of an array we will have to use arrayName.length -1 as the index (remember array indices start counting from 0). Anything beyond that will return **undefined**.

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