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JavaScript arrays and objects - Video 2.3

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Video 2.3

Array Indices

PENPWJSX2017-V000800

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- When **writing** an array value by its index, `arrayVar[index]` will
 - add an element at that index if `index >= arrayVar.length`
 - create a mapping from the index to the element if `index < 0`

```
var a = ['cat', 'dog', 'banana'];

a[4] = 'panda';
console.log(a[4]); // "panda"
console.log(a[3]); // undefined

a[-5] = 'elephant';
console.log(a[-5]); // "elephant"

console.log(a);
// (5) ["cat", "dog", "banana", undefined × 1, "panda" -5: "elephant"]
```

Property of Penn Engineering, Chris Murphy

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Last time we saw the five primitive variable types in JavaScript.

But each of those only allows us to hold one value.

Sometimes we want to have a collection of values.

Maybe we want them in some particular order.

Maybe we want a collection of key value pairs that are associated or

combined into something semantically

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