

**EXAMPLE 14: NON-EXISTENT ELEMENTS
OF AN ARRAY ARE `undefined`**

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JAVASCRIPT HAS A SPECIAL VALUE FOR
VALUES THAT DO NOT EXIST.

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```
var allMonths = [1, 2, 3, 4, 5, 6, 7, 8, 9, 10, 11, 'Dec'];
```

```
console.log(allMonths[15]);
```

```
console.log(allMonths[-1]);
```

```
console.log(allMonths[-15]);
```

undefined

undefined

undefined

JAVASCRIPT HAS A SPECIAL VALUE FOR
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undefined

```
var allMonths = [0, 1, 2, 2, 3, 4, 5, 4, 5, 6, 7, 8, 9, 10, 11, 'Dec'];  
console.log(allMonths[15]);  
console.log(allMonths[-1]);  
console.log(allMonths[-15]);
```

undefined
undefined
undefined

THE 15TH ELEMENT IN A 12 ELEMENT
ARRAY? **UNDEFINED.**

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undefined

```
var allMonths = [0, 1, 2, 2, 3, 4, 5, 4, 5, 6, 7, 8, 9, 10, 11, 'Dec'];  
console.log(allMonths[15]);  
console.log(allMonths[-1]);  
console.log(allMonths[-15]);
```

undefined
undefined
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LOOKING UP A NEGATIVE INDEX IN AN
ARRAY? **UNDEFINED.**

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undefined

```
var allMonths = [0, 1, 2, 2, 3, 4, 5, 4, 5, 6, 7, 8, 9, 10, 11, 'Dec'];  
console.log(allMonths[15]);  
console.log(allMonths[-1]);  
console.log(allMonths[-15]);
```

undefined
undefined
undefined

IN FACT, ANY INVALID INDEX? **UNDEFINED.**

IMPORTANT CALL-OUT #1

undefined

IS AN IMPORTANT JAVASCRIPT
SPECIAL VALUE. MUCH MORE ON THIS
LATER.

IMPORTANT CALL-OUT #2

SECONDLY, UNLIKE IN MANY OTHER LANGUAGES,
ACCESSING AN INVALID ARRAY ELEMENT
MERELY RETURNS `undefined`, DOES
NOT THROW AN ERROR OR AN EXCEPTION

IMPORTANT CALL-OUT #2

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