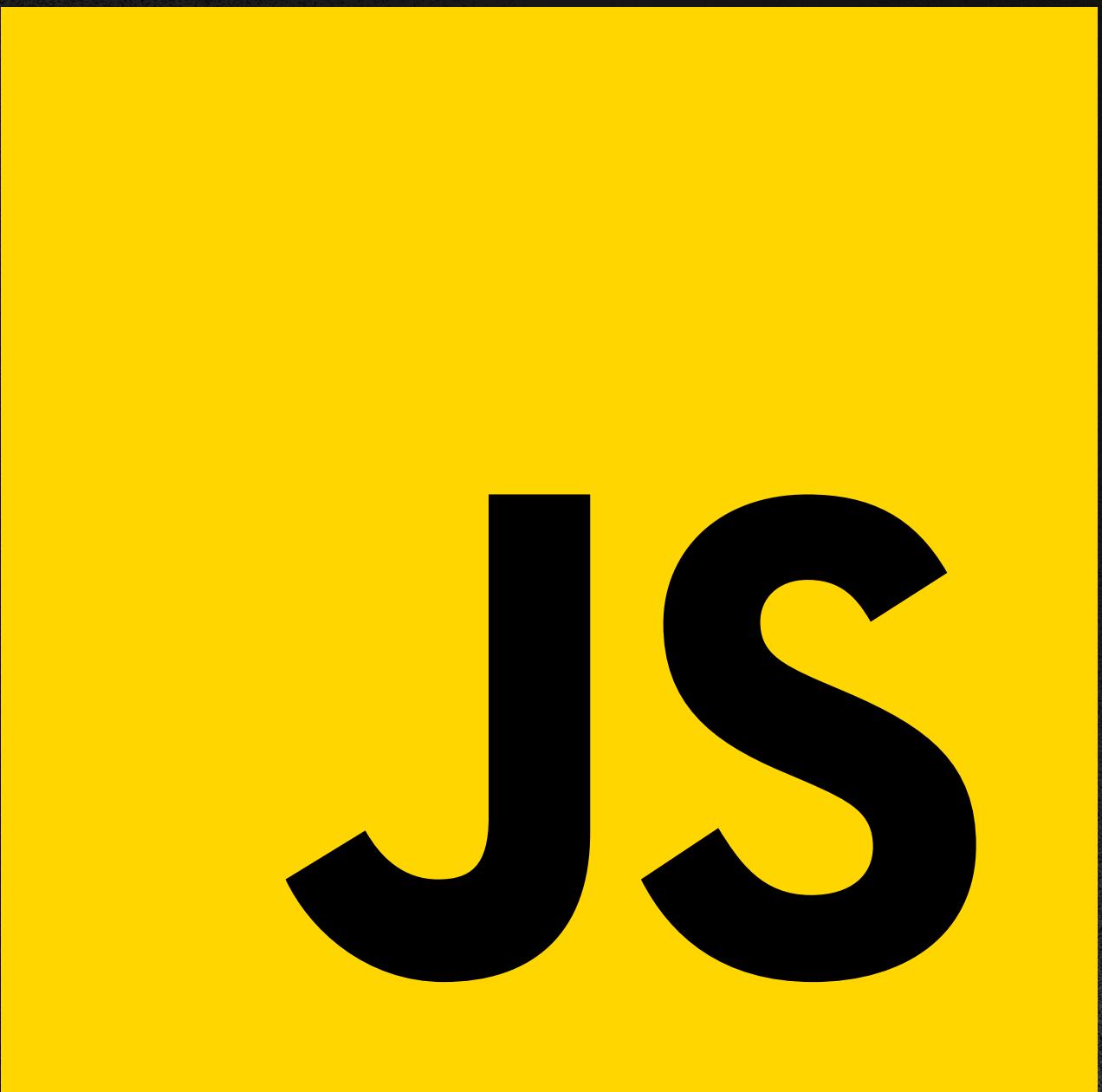


Java Script

“ every “ Operator

Where to use it ?



[Don't Miss It]



What is Array.every() ?

- every() is a method in JavaScript that checks if all elements in an array pass a provided test (function).
- It returns a Boolean value, true if all elements meet the condition, and false otherwise.

```
JS

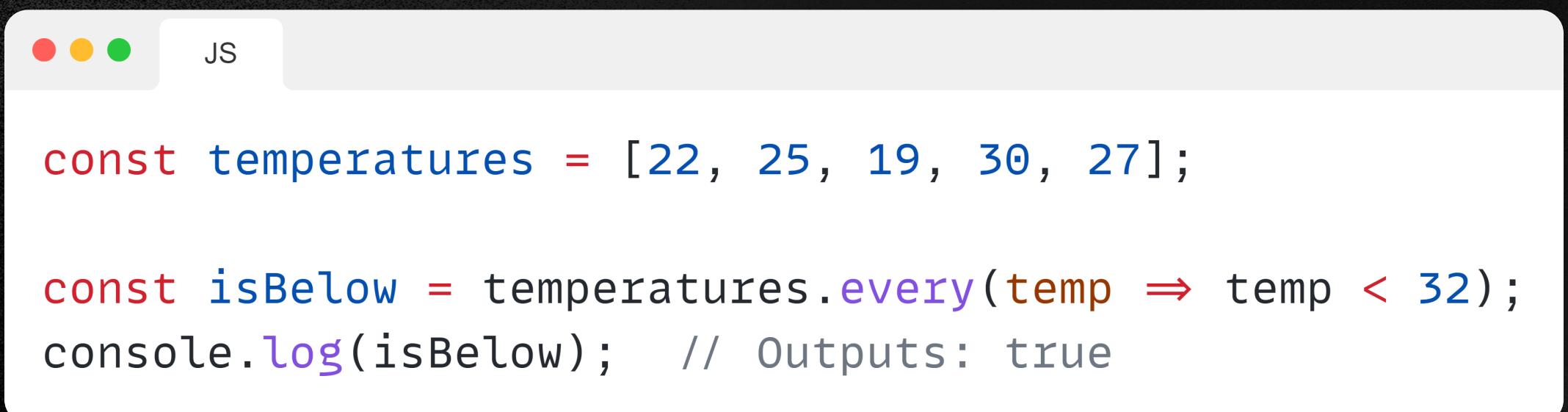
const numbers = [1, 2, 3, 4, 5];

const isPositive= numbers.every(number => number > 0);
console.log(isPositive); // Outputs: true
```



Simplified Data Validation

- Use every() for concise and expressive data validation, ensuring that all elements meet specific criteria.



A screenshot of a browser's developer tools console. The tab bar shows 'JS'. The code in the console is:

```
const temperatures = [22, 25, 19, 30, 27];  
  
const isBelow = temperatures.every(temp => temp < 32);  
console.log(isBelow); // Outputs: true
```



Early Exit Optimization

- `every()` stops iterating as soon as it encounters a false value, optimizing performance for large arrays.

```
JS

const words = ["apple", "banana", "cherry"];

const isSingleWord = words.every(word => word.length === 1);
console.log(isSingleWord); // Outputs: false
```



Array Consistency Check

- Ensure uniformity within an array by using every() to check if all elements adhere to a specific pattern.

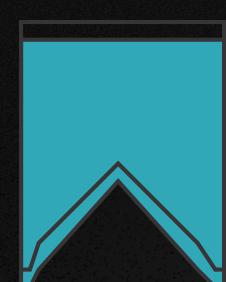
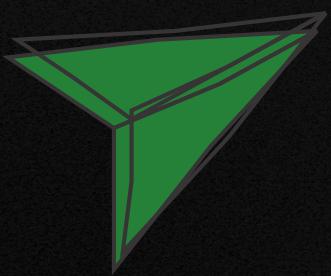
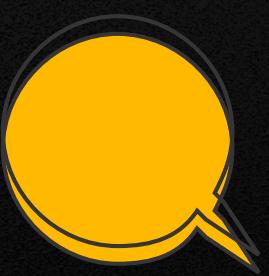
```
JS

const binaryNumbers = ["101", "110", "011"];

const isBinary = binaryNumbers.every(num => /^[01]+$/ .test(num));
console.log(isBinary); // Outputs: true
```



DID
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IT
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