

# Problem 2727: Is Object Empty

## Problem Information

**Difficulty:** Easy

**Acceptance Rate:** 0.00%

**Paid Only:** No

## Problem Description

Given an object or an array, return if it is empty.

An empty object contains no key-value pairs.

An empty array contains no elements.

You may assume the object or array is the output of

`JSON.parse`

.

Example 1:

Input:

`obj = {"x": 5, "y": 42}`

Output:

`false`

Explanation:

The object has 2 key-value pairs so it is not empty.

Example 2:

Input:

`obj = {}`

Output:

`true`

Explanation:

The object doesn't have any key-value pairs so it is empty.

Example 3:

Input:

`obj = [null, false, 0]`

Output:

`false`

Explanation:

The array has 3 elements so it is not empty.

Constraints:

`obj`

is a valid JSON object or array

`2 <= JSON.stringify(obj).length <= 10`

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Can you solve it in  $O(1)$  time?

## Code Snippets

### JavaScript:

```
/**
 * @param {Object|Array} obj
 * @return {boolean}
 */
var isEmpty = function(obj) {

};
```

### TypeScript:

```
type JSONValue = null | boolean | number | string | JSONValue[] | { [key:
string]: JSONValue };
type Obj = Record<string, JSONValue> | JSONValue[]

function isEmpty(obj: Obj): boolean {

};
```

## Solutions

### JavaScript Solution:

```
/**
 * Problem: Is Object Empty
 * Difficulty: Easy
 * Tags: array, string
 *
 * Approach: Use two pointers or sliding window technique
 * Time Complexity: O(n) or O(n log n)
 * Space Complexity: O(1) to O(n) depending on approach
 */

/**
 * @param {Object|Array} obj
 * @return {boolean}
```

```
*/  
var isEmpty = function(obj) {  
  
};
```

### TypeScript Solution:

```
/**  
 * Problem: Is Object Empty  
 * Difficulty: Easy  
 * Tags: array, string  
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type JSONValue = null | boolean | number | string | JSONValue[] | { [key:  
string]: JSONValue };  
type Obj = Record<string, JSONValue> | JSONValue[]  
  
function isEmpty(obj: Obj): boolean {  
  
};
```