Problem 2705: Compact Object

Problem Information

Difficulty: Medium
Acceptance Rate: 67.31%
Paid Only: No

Problem Description

Given an object or array `obj`, return a **compact object**.

A **compact object** is the same as the original object, except with keys containing **falsy** values removed. This operation applies to the object and any nested objects. Arrays are considered objects where the indices are keys. A value is considered **falsy** when `Boolean(value)` returns `false`.

You may assume the `obj` is the output of `JSON.parse`. In other words, it is valid JSON.

Example 1:

Input: obj = [null, 0, false, 1] **Output:** [1] **Explanation:** All falsy values have been removed from the array.

Example 2:

Input: obj = {"a": null, "b": [false, 1]} **Output:** {"b": [1]} **Explanation:** obj["a"] and obj["b"][0] had falsy values and were removed.

Example 3:

Input: obj = [null, 0, 5, [0], [false, 16]] **Output:** [5, [], [16]] **Explanation:** obj[0], obj[1], obj[3][0], and obj[4][0] were falsy and removed.

Constraints:

* `obj` is a valid JSON object * `2 <= JSON.stringify(obj).length <= 106`

Code Snippets

JavaScript:

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

};
```

TypeScript:

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

function compactObject(obj: Obj): Obj {

};
```