

# 2705. Compact Object

## 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`

