

2633. Convert Object to JSON String Premium

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Given a value, return a valid JSON string of that value. The value can be a string, number, array, object, boolean, or null. The returned string should not include extra spaces. The order of keys should be the same as the order returned by `Object.keys()`.

Please solve it without using the built-in `JSON.stringify` method.

Example 1:

Input: `object = {"y":1,"x":2}`
Output: `{"y":1,"x":2}`
Explanation:
Return the JSON representation.
Note that the order of keys should be the same as the order returned by `Object.keys()`.

Example 2:

Input: `object = {"a":"str","b":-12,"c":true,"d":null}`
Output: `{"a":"str","b":-12,"c":true,"d":null}`
Explanation:
The primitives of JSON are strings, numbers, booleans, and null.

Example 3:

Input: `object = {"key":{"a":1,"b":[{"},null,"Hello"]}}`
Output: `{"key":{"a":1,"b":[{"},null,"Hello"]}}`
Explanation:
Objects and arrays can include other objects and arrays.

Example 4:

Input: `object = true`
Output: `true`
Explanation:
Primitive types are valid inputs.

Constraints:

- `value` is a valid JSON value
- `1 <= JSON.stringify(object).length <= 105`
- `maxNestingLevel <= 1000`
- all strings contain only alphanumeric characters

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Hint 1

Consider the 4 possibilities. The object could be an array, an object, a string, or another type.

Hint 2

Think about the problem recursively. If you know how to convert any sub-data into a string, how could you use it to convert the entire data into a string?

Hint 3

If the data is a string, it's just the value surrounded by double quotes. If the data is another type, its just `String(data)`. If the data is an array, it's the recursively stringified value of each item separated by commas. If the data is an object, it's a series of key-value pairs where each value is the recursively stringified value.

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