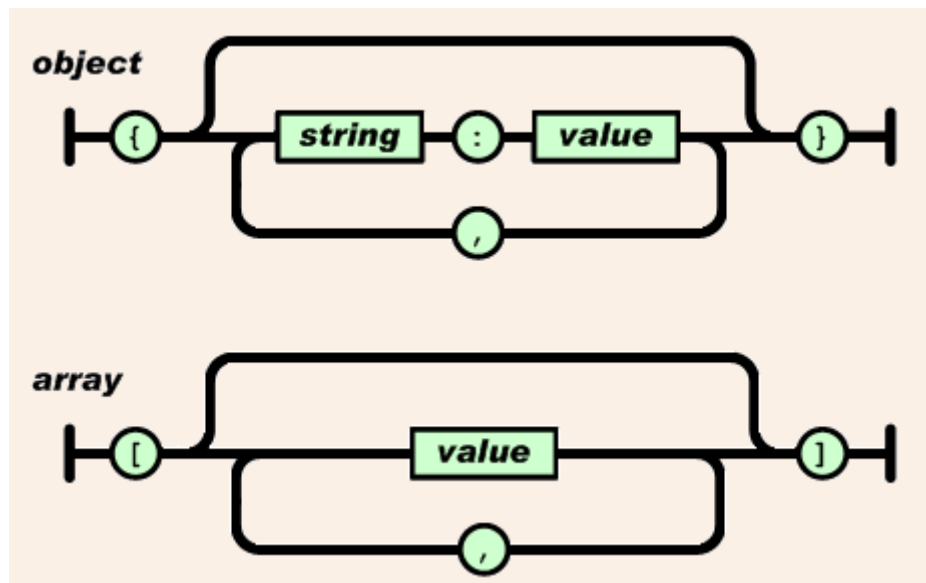


JSON - JavaScript Object Notation



Source: <https://twiki.org/cgi-bin/view/Blog/BlogEntry201503x1>

AGENDA

1. What is JSON
2. JSON methods
3. `JSON.stringify()`
4. `JSON.parse()`

1. What is JSON

- JSON is standard built-in objects
- JSON is a global object
- JSON is a syntax for serializing:
 - objects
 - arrays
 - numbers
 - strings
 - booleans
 - null

2. JSON methods

#	Name	Desc
1	<code>JSON.parse(text)</code>	JSON -> Javascript value
2	<code>JSON.stringify(value)</code>	Javascript value -> JSON string

3. JSON.stringify()

```
const student = { id: 1, name: 'Easy Frontend', age: undefined }  
JSON.stringify(student);  
// '{"id": 1, "name": "Easy Frontend" }'
```

```
const list = [null, undefined, NaN];  
JSON.stringify(list);  
// [null, null, null]
```

Source: https://developer.mozilla.org/en-US/docs/Web/JavaScript/Reference/Global_Objects/JSON/stringify

4. JSON.parse()

- Property name MUST BE double quoted.
- For numbers, leading zeros are prohibited.
- NaN and Infinity are unsupported.
- Not allow trailing commas

```
JSON.parse('123'); // 123  
JSON.parse('true'); // true  
JSON.parse('null'); // null  
JSON.parse('{}'); // {}  
JSON.parse('[]'); // []
```

```
JSON.parse('0123'); // Syntax Error  
JSON.parse('NaN'); // Syntax Error  
JSON.parse('Infinity'); // Syntax Error
```

```
// property name must use double quotes  
JSON.parse('{ id: 123 }'); // Syntax Error  
JSON.parse('{ "id": 123 }'); // { id: 123 } it works
```

```
// Not allow trailing commas  
JSON.parse('[1, 2, 3, 4, ]');  
JSON.parse('{ "foo" : 1, }');
```

Source: https://developer.mozilla.org/en-US/docs/Web/JavaScript/Reference/Global_Objects/JSON/parse#json.parse_does_not_allow_trailing_commas

Tham khảo

- https://developer.mozilla.org/en-US/docs/Web/JavaScript/Reference/Global_Objects/JSON
 - https://developer.mozilla.org/en-US/docs/Web/JavaScript/Reference/Global_Objects/JSON/parse
 - https://developer.mozilla.org/en-US/docs/Web/JavaScript/Reference/Global_Objects/JSON/stringify
 - <https://www.json.org/json-en.html>
-

Khoá học Javascript cho người mới bắt đầu 2021 🎉

- Tác giả: **Hậu Nguyễn** - Founder Easy Frontend
- Khoá học chỉ được published trên Udemy, không thông qua trung gian.
- Khoá học không bán dạng videos upload trên Google Drive hay bất cứ hình thức nào tương tự.
- Khoá học có nhóm discord để hỗ trợ trong quá trình học tập.

 Liên hệ tác giả để được hỗ trợ:

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