JSON.parse()

- description : JSON.parse()
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The source of this article

[JSON.parse()](#)

Valid Data Types

JSON   .

                            ,   .

JSON.parse()   ,   JavaScript   .

Example - Parsing JSON

                                        .

```
'{"name":"John", "age":30, "city":"New York"}'
```

                JSON.parse()   .

```
const obj = JSON.parse('{"name":"John", "age":30, "city":"New York"}');
```

        JSON   .   .

                                        .

Example

```
<body>

    <h2>Creating an object from a JSON String</h2>

    <p id="demo"></p>

    <script>
        const txt = '{"name":"Dooli", "age": 350, "city": "Seoul"}';
        const parseTxt = JSON.parse(txt);
        document.getElementById("demo").innerHTML = parseTxt.name + ", " +
parseTxt.age;    // Dooli, 350
        console.log(parseTxt);    // {name: 'Dooli', age: 350, city: 'Seoul'}
    </script>

</body>
```

Array as JSON

JSON   **JSON.parse()**   ,
JavaScript   JavaScript   .

Example

```
<body>

    <h2>Parsing a JSON Array</h2>
    <p>Data written as an JSON array will be parsed into a JavaScript
array.</p>
    <p id="demo"></p>

    <script>
        const text = '["Ford", "BMW", "Audi", "Fiat"]';
        const textArray = JSON.parse(text);
        document.getElementById("demo").innerHTML = textArray[2];    // Audi
        console.log(textArray); //  ['Ford', 'BMW', 'Audi', 'Fiat']

    </script>

</body>
```

Exceptions

Parsing Dates

Date   JSON   .

date   , date   .

                    date   .

Example

          date   .

```
<body>

    <h2> Convert a string into a date obejct</h2>
    <p id="demo"></p>

    <script>

        const text = '{"name":"John", "birth":"1986-12-14", "city":"New
York"}';
        const textObj = JSON.parse(text);
        textObj.birth = new Date(textObj.birth);
        document.getElementById("demo").innerHTML = textObj.name + " ," +
textObj.birth;
        // John ,Sun Dec 14 1986 09:00:00 GMT+0900 (          )
        console.log(typeof textObj.birth); // object

    </script>

</body>
```

    reviver   **JSON.parse()**   .

reviver   .

Example

reviver   date   .

```
<body>

    <h2> Convert a string into a date obejct</h2>
```

```
    <p id="demo"></p>

    <script>

        const text = '{"name":"John", "birth":"1986-12-14", "city":"New
York"}';
        const obj = JSON.parse(text, function (key, value) {
            if (key == "birth") {
                return new Date(value);
            } else {
                return value;
            }
        });
        document.getElementById("demo").innerHTML = obj.name + " ," +
obj.birth;
        // John ,Sun Dec 14 1986 09:00:00 GMT+0900 (           )
        console.log(obj); // {name: 'John', birth: Sun Dec 14 1986 09:00:00
GMT+0900 (          ), city: 'New York'}
    </script>

</body>
```

Parsing Functions

JSON   .

                                    ,   .

                                                          .

Example

                                    .

```
<body>

    <h2> Convert a string into a function</h2>
    <p id="demo"></p>

    <script>
        const text = '{"name":"John", "age":"function() {return 30;}",
"city":"New York"}';
        const obj = JSON.parse(text);
        obj.age = eval("(" + obj.age + ")");
        document.getElementById("demo").innerHTML = obj.name + ", " +
obj.age(); // John, 30
```

```
        console.log(obj.age); // f () {return 30;}
    </script>

</body>
```

JSON   .
                        , eval()   .

.,, JSON.parse()