

# JSON.parse()

- description : JSON.parse()
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[JSON.parse\(\)](#)

## Valid Data Types

JSON

JSON.parse() , JavaScript 가

## Example - Parsing JSON

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

**JSON.parse()**

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

가 JSON

가

## 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
    </script>
```

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

JSON

, eval()

,, JSON.parse()

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