

# 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 obeit</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 obeit</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>
</body>
```

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

JSON

, eval()

., JSON.parse()

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