JSON.stringify()

- description : JSON.stringify()
- author :
- email : shlim@repia.com
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[JSON.stringify()](#)

JSON   .

                                    ,   .

JSON.stringify()   JavaScript   .

Stringify a JavaScript Object

                                                                .

```
const obj = {name: "John", age: 30, city: "New York"};
```

JavaScript   **JSON.stringify()**   .

```
const myJSON = JSON.stringify(obj);
```

```
      JSON                                  .
```

myJSON   :

Example

```
<body>
```

```html
    <h2>Create a JSON string form a JavaScript object.</h2>
    <hr>
    <p id="demo"></p>

    <script>
        const obj = {name: "Yejin", age: 34, city: "Pohang"};
        const myJSON = JSON.stringify(obj);
        document.getElementById("demo").innerHTML = myJSON;
        console.log(myJSON);            //
{"name":"Yejin","age":34,"city":"Pohang"}
        console.log(typeof myJSON);     // string
    </script>

</body>
```

Stringify a JavaScript Array

JavaScript   :

JavaScript   .

```javascript
const arr = ["John", "Peter", "Sally", "Jane"];
```

            JSON.stringify()   .

```javascript
const myJSON = JSON.stringify(arr);
```

      JSON   .

myJSON   ,   :

Example

```html
<body>

    <h2>Create a JSON string from a JavaScript object.</h2>
    <hr>
    <p id="demo"></p>
```

```html
    <script>
        const arr = ["John", "Peter", "Sally", "Jane"];
        const myJSON = JSON.stringify(arr);
        document.getElementById("demo").innerHTML = myJSON;
        console.log(arr); // ['John', 'Peter', 'Sally', 'Jane']
        console.log(typeof arr);    // object
        console.log(myJSON); // ["John","Peter","Sally","Jane"]
        console.log(typeof myJSON); // string
    </script>

</body>
```

Storing Data

JSON   JavaScript   .

Example

```html
<body>

    <h2>Store and retrieve data from local storage.</h2>
    <hr>
    <p id="demo"></p>

    <script>
        // Storing data:
        const myObj = {name: "John", age: 31, city: "New York"};
        const myJSON = JSON.stringify(myObj);
        localStorage.setItem("testJSON", myJSON);

        // Retrieving data:
        let text = localStorage.getItem("testJSON");
        let obj = JSON.parse(text);
        document.getElementById("demo").innerHTML = obj.name;
        console.log(localStorage);
        /* Storage {testJSON: '{"name":"John","age":31,"city":"New York"}',
length: 1}
        testJSON: "{\"name\":\"John\",\"age\":31,\"city\":\"New York\"}"
        length: 1
```

```
        [[Prototype]]: Storage */
    </script>

</body>
```

Exceptions

Stringify Dates

JSON   date   . **JSON.stringify()**
            .

Example

```
<body>

    <h2>JSON.stringify() converts date objects into strings.</h2>
    <hr>
    <p id="demo"></p>

    <script>
        const obj = {name:"John", today: new Date(), city: "New York"};
        const myJSON = JSON.stringify(obj);
        document.getElementById("demo").innerHTML = myJSON;
        console.log(obj); // {name: 'John', today: Wed Apr 06 2022 14:21:07
GMT+0900 (        ), city: 'New York'}
        console.log(typeof obj); // object
        console.log(myJSON); //
{"name":"John","today":"2022-04-06T05:21:31.814Z","city":"New York"}
        console.log(typeof myJSON); // string
    </script>

</body>
```

                        date   .

Stringify Functions

JSON   ,   value   .

JSON.stringify()　　　　　　　　　　　　　　　　　　　　　　　,　　key　　value　　　　　　　　　　　.

Example

```html
<body>

    <h2>JSON.stringify() will remove any function from an object.</h2>
    <hr>
    <p id="demo"></p>

    <script>
        const obj = {name:"John", age:function() {return 31;}, city: "New
York"};
        const myJSON = JSON.stringify(obj);
        document.getElementById("demo").innerHTML = myJSON; //
{"name":"John","city":"New York"}
        console.log(obj); // {name: 'John', city: 'New York', age: f}
        console.log(myJSON); // {"name":"John","city":"New York"}
    </script>

</body>
```

JSON.stringify()　　　　　　　　　　　　　　　　　　　　　　　　　　　　　　　　　.

```html
<body>

    <h2>JSON.stringify() will remove any function from an object.</h2>
    <hr>
    <p id="demo"></p>

    <script>
        const obj = {name:"John", age:function() {return 31;}, city: "New
York"};
        obj.age = obj.age.toString();
        console.log(obj.age); // function() {return 31;}
        console.log(typeof obj.age);    // string
        console.log(obj); // {name: 'John', age: 'function() {return 31;}',
city: 'New York'}
        const myJSON = JSON.stringify(obj);
        document.getElementById("demo").innerHTML = myJSON; //
{"name":"John","age":"function() {return 31;}","city":"New York"}
    </script>

</body>
```

JSON   ,   eval()
               .\\

  ,, JSON.stringify()

JSON   ,   eval()
               .\\