



# Todos Application | Part 4 | Cheat Sheet

## 1. JavaScript Object Notation (JSON)

JSON is a data representation format used for:

- Storing data (Client/Server)
- Exchanging data between Client and Server

### 1.1 Supported Types

- Number
- String
- Boolean
- Array
- Object
- Null

### 1.2 JS Object vs JSON Object

In JSON, all keys in an object must be enclosed with double-quotes. While in JS, this is not necessary.

**JS:**

JAVASCRIPT

```
1 let profile = {  
2   name: "Rahul",  
3   age: 29,  
4   designation: "Web Developer"  
5 };
```

**JSON:**

JAVASCRIPT

```
1 let profile = {  
2   "name": "Rahul",  
3   "age": 29,  
4   "designation": "Web Developer"  
5 };
```

### 1.3 JSON Methods

#### 1.3.1 JSON.stringify()

It converts the given value into JSON string.

**Syntax:**

JSON.stringify( value )

**1.3.2 JSON.parse()**

It parses a JSON string and returns a JS object.

**Syntax:**

JSON.parse( string )

Try out the JSON Methods in the below Code Playground.

HTML CSS JAVASCRIPT Inspect

```
1 <!DOCTYPE html>
2 <html>
3   <head>
4     <link rel="stylesheet" href="https://stackpath
5     <script src="https://code.jquery.com/jquery-3.
6     <script src="https://cdn.jsdelivr.net/npm/pop
7     <script src="https://stackpath.bootstrapcdn.co
8   </head>
9   <body>
10    Your HTML code goes here. Write JavaScript co
11  </body>
12 </html>
```

HTML CSS JAVASCRIPT Inspect

```
1 <!DOCTYPE html>
2 <html>
3   <head>
4     <link rel="stylesheet" href="https://stackpa
5     <script src="https://code.jquery.com/jquery-
6     <script src="https://cdn.jsdelivr.net/npm/pc
7     <script src="https://stackpath.bootstrapcdn.
8     <script src="https://kit.fontawesome.com/ac4
9   </head>
10  <body>
11    <div class="todos-bg-container">
12      <div class="container">
13        <div class="row">
```

```
14     <div class="col-12">
15         <h1 class="todos-heading">Todos</h1>
16         <h1 class="create-task-heading">
17             Create <span class="create-task-he
```

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