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## Top 19 JSON Interview Questions & Answers

### 1) Mention what is JSON?

JSON is a simple data exchange format. JSON means JavaScript Object Notation; it is language and platform independent.

### 2) Explain what is JSON objects?

An object can be defined as an unordered set of name/value pairs. An object in JSON starts with {left brace} and finish or ends with {right brace}. Every name is followed by: (colon) and the name/value pairs are parted by, (comma).

### 3) Explain how to transform JSON text to a JavaScript object?

One of the common use of JSON is to collect JSON data from a web server as a file or HTTP request, and convert the JSON data to a JavaScript, and then it avails the data in a web page.

### 4) Mention what is the rule for JSON syntax rules? Give an example of JSON object?

JSON syntax is a set of the JavaScript object notation syntax.

- Data is in name/value pairs
- Data is separated by comma
- Curly brackets hold objects
- Square bracket holds arrays

### 5) Why must one use JSON over XML?

- It is faster and lighter than XML as on the wire data format
- XML data is typeless while JSON objects are typed
- JSON types: Number, Array, Boolean, String

- XML data are all string
- Data is readily available as JSON object is in your JavaScript
- Fetching values is as simple as reading from an object property in your JavaScript code



#### 6) Mention what is JSON-RPC and JSON Parser?

- **JSON RPC:** It is a simple remote procedure call protocol same as XML-RPC although it uses the lightweight JSON format instead of XML
- **JSON Parser:** JSON parser is used to parse the JSON data into objects to use its value. It can be parsed by javaScript, PHP and jQuery

#### 7) Mention what is the file extension of JSON?

File extension of JSON is .json

#### 8) Mention which function is used to convert a JSON text into an object?

To convert JSON text into an object “eval” function is used.

#### 9) Mention what are the data types supported by JSON?

Data types supported by JSON includes

- Number
- String
- Boolean
- Array
- Object

- Null

### 10) Mention what is the role of JSON.stringify?

JSON.stringify() converts an object into a JSON text and saves that JSON text in a string.

### 11) Show how to parse JSON in JQuery?

To parse JSON in JQuery, we will see the example

```
var json = {"name": "Guru 99", "Description ": "Learn PHP Interactively with PHP Beginner Tutorials"}
```

```
obj = $.parseJSON(json);
```

```
//alert(obj.name);
```

### 12) Mention what is the function used for encoding JSON in PHP?

For encoding JSON in PHP, json\_encode () function is used. This function returns the JSON representation of a value on success or false on failure.

### 13) Explain how you can convert a string into a JSON Array?

To convert a string into a JSON array, you need to create a JSONObject object for each of your objects, and add those to your JSON array.

### 14) Mention what are the JSON files?

- JSON file type for JSON files is ".json"
- The MIME type for JSON text is "application/json"

### 15) List out the uses of JSON?

Uses of JSON includes

- When writing application based on JavaScript it uses JSON, which includes browser extension and websites
- JSON is used for transmitting and serializing structured data over network connection
- JSON is mainly used to transfer data between server and web application
- Web service and API's use JSON format to provide public data
- JSON can be used with modern programming language

### 16) Mention what are the drawbacks of JSON?

Drawbacks of json are

- It does not contain type definition
- It lacks some sort of DTD

**17) Mention what is the MIME type of JSON?**

MIME type for JSON text is “application/json”

**18) Mention what is JSONP?**

JSONP stands for JSON with padding. It is a method used to bypass the cross-domain policies in web browsers. In other words, JSONP is the simple way to deal with browser restrictions when sending JSON responses from different domains from the client.

**19) Mention what is the difference between JSON and JSONP?**

- **JSON:** JSON is a simple data format used for communication medium between different systems
- **JSONP:** It is a methodology for using that format with cross domain ajax requests while not being affected by same origin policy issue.