# JSON

# What Is JSON, Complete Introduction To JSON

JSON is JavaScript Object Notation [ it’s the damn default definition :-)], and was invented by Douglas Crockford. Actually JSON is lightweight alternative to XML, language and platform independent script. Even JSON parsers & libraries are exists for many programming languages.

Converting JSON text to something in JavaScript will takes one line of code by using eval function ;), to create an object from JSON text, just pass the string to eval function after surrounding the text with parentheses that’s it.

## Creating JSON Object From JSON text

var names = "{"nameslist": ["java4s","php4s","visa4s"]}";

* The variable names will hold the JSON text
* Whole JSON text must be surrounded by quotes

## Convert This Variable (names) Into JavaScript object

Actually we can convert JSON text into JavaScript object with eval function. eval() is the JavaScript function which converts JSON text into an JavaScript object, see this…

var MyJavaScriptObject = eval("(" + names + ")");

## How To Access This JSON Object

var namesArray = MyJavaScriptObject["nameslist"];

Now you can print the values…

namesArray[0] will prints - java4s

namesArray[1] will prints - php4s

namesArray[2] will prints - visa4s

Note: Index always start from zero

Rather using eval() function It is safer to use a JSON parser to convert a JSON text to a JavaScript object. A JSON parser will recognize only JSON text and will not compile scripts, will see the complete example in the next tutorial.

# Example On Converting JSON Text To JavaScript Object

* JSON arrays are written inside square brackets
* Array can contain any number of objects

## Syntax

{"names": ['+'{"name" : "java4s",  "address"  : "United States", "admin"  : "sivateja",  "age"  : 25},'+'{"name" : "php4s",  "address"  : "United States", "admin"  : "teja",  "age"  : 26}'+']}

Here names is an array containing 2 objects. By using JavaScript syntax we can access the values with the help of “.” operator, will show you this in the following example.

<html>

<head>

<title>

How To Create JSON Object Array

</title>

<script language="javascript" >

var JsonObjecttext = '{"names": ['+'{"name" : "java4s",  "address"  : "United States", "admin"  : "sivateja",  "age"  : 25},'+'{"name" : "php4s",  "address"  : "United States", "admin"  : "teja",  "age"  : 26}'+']}';

var JsonObjectName = eval ("(" + JsonObjecttext + ")");

document.write("<font color='#148ee3' size='2' face='verdana'>Name - <font color='#000'>" +JsonObjectName.names[0].name+"</font></font> || ");

document.write("<font color='#148ee3' size='2' face='verdana'>Age. - <font color='#000'>" +JsonObjectName.names[0].age+"</font></font> || ");

document.write("<font color='#148ee3' size='2' face='verdana'>name - <font color='#000'>" +JsonObjectName.names[1].name+"</font></font> || ");

document.write("<font color='#148ee3' size='2' face='verdana'>name - <font color='#000'>" +JsonObjectName.names[1].age+"</font></font>");

</script>

</head>

<body>

<br>

<font face="verdana" size="4">Example On Createing JSON Object Array</font><br><br>

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Note:<br>

<font color="#000">

var JsonObjectName - Here JsonObjectName is the object name, <br>can give your own name.</font></font>

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