

JSON - OBJECTS

http://www.tutorialspoint.com/json/json_objects.htm

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Creating Simple Objects

JSON objects can be created with JavaScript. Let us see the various ways of creating JSON objects using JavaScript –

- Creation of an empty Object –

```
var JSONObj = {};
```

- Creation of a new Object –

```
var JSONObj = new Object();
```

- Creation of an object with attribute **bookname** with value in string, attribute **price** with numeric value. Attribute is accessed by using '.' Operator –

```
var JSONObj = { "bookname ":"VB BLACK BOOK", "price":500 };
```

This is an example that shows creation of an object in javascript using JSON, save the below code as **json_object.htm**

```
<html>
  <head>
    <title>Creating Object JSON with JavaScript</title>

    <script language = "javascript" >

      var JSONObj = { "name" : "tutorialspoint.com", "year" : 2005 };

      document.write("<h1>JSON with JavaScript example</h1>");
      document.write("<br>");
      document.write("<h3>Website Name = "+JSONObj.name+"</h3>");
      document.write("<h3>Year = "+JSONObj.year+"</h3>");

    </script>

  </head>

  <body>
  </body>

</html>
```

Now let's try to open [Json Object](#) using IE or any other javascript enabled browser. It produces the following result –

JSON with JavaScript example

Website Name=tutorialspoint.com

Year=2005

Creating Array Objects

The following example shows creation of an array object in javascript using JSON, save the below code as **json_array_object.htm**

```
<html>
  <head>
    <title>Creation of array object in javascript using JSON</title>

    <script language = "javascript" >

      document.writeln("<h2>JSON array object</h2>");

      var books = { "Pascal" : [
        { "Name" : "Pascal Made Simple", "price" : 700 },
        { "Name" : "Guide to Pascal", "price" : 400 }],

        "Scala" : [
          { "Name" : "Scala for the Impatient", "price" : 1000 },
          { "Name" : "Scala in Depth", "price" : 1300 }
        ]
      }

      var i = 0
      document.writeln("<table border = '2'><tr>");

      for(i = 0;i<books.Pascal.length;i++){
        document.writeln("<td>");
        document.writeln("<table border = '1' width = 100 >");
        document.writeln("<tr><td><b>Name</b></td><td width = 50>" +
books.Pascal[i].Name+"</td></tr>");
        document.writeln("<tr><td><b>Price</b></td><td width = 50>" +
books.Pascal[i].price +"</td></tr>");
        document.writeln("</table>");
        document.writeln("</td>");
      }

      for(i = 0;i<books.Scala.length;i++){
        document.writeln("<td>");
        document.writeln("<table border = '1' width = 100 >");
        document.writeln("<tr><td><b>Name</b></td><td width = 50>" +
books.Scala[i].Name+"</td></tr>");
        document.writeln("<tr><td><b>Price</b></td><td width = 50>" +
books.Scala[i].price+"</td></tr>");
        document.writeln("</table>");
        document.writeln("</td>");
      }

      document.writeln("</tr></table>");

    </script>

  </head>

  <body>
</body>

</html>
```

Now let's try to open [Json Array Object](#) using IE or any other javaScript enabled browser. It produces the following result –

JSON array object

Name	Pascal Made Simple	Name	Guide to Pascal	Name	Scala for the Impatient	Name	Scala in Depth
Price	700	Price	400	Price	1000	Price	1300

