

Practical – Json, Javascript and HTML**JSON array of Books**

Genre	Name	Price
Classic	The Great Gatsby	44.4
Classic	To Kill a Mockingbird	55.12
War	American Sniper	19
War	Lone Survivor	25

Tasks

1. Create an array of books as Json Data Structure (See above screen).
2. Write javascript code to display the table using the json data.

Task 1 : Create Array as Json format

- I. Open a notepad and enter the following html codes

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

<script language = "javascript" >

</script>

</head> <body> ... </body>
</html>
```

- II. Create Json Data inside <script> ... </script>

```
document.writeln("<h2>JSON array of Books</h2>");
var Books = {
  "Classic" : [
    { "Name" : "The Great Gatsby", "price" : 44.40 },
    { "Name" : "To Kill a Mockingbird", "price" : 55.12 }
  ],
  "War" : [
    { "Name" : "American Sniper", "price" : 19 },
    { "Name" : "Lone Survivor", "price" : 25 }
```

```
]
}
```

Task 2 : Write Javascript codes to display table with Json Data

- I. Write additional javascript codes just below the Json Books Array

```
var i = 0

    document.writeln("<table border='1' width='30%'>");
    document.writeln("<tr>");
    document.writeln("<th align='left'>Genre</th>");
    document.writeln("<th align='left'>Name</th>");
    document.writeln("<th align='left'>Price</th>");
    document.writeln("</tr>");

    for( i = 0; i<Books.Classic.length ; i++ ){

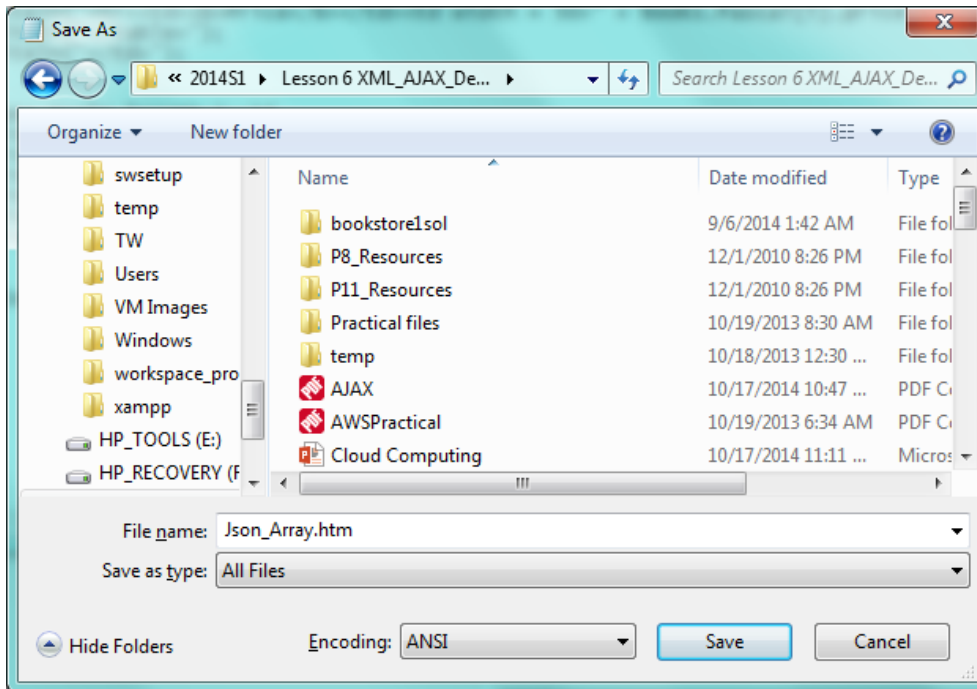
        document.writeln("<tr>");
        document.writeln("<td>Classic</td>");
        document.writeln("<td>" + Books.Classic[i].Name + "</td>");
        document.writeln("<td>" + Books.Classic[i].price + "</td>");
        document.writeln("</tr>");

    }

    var j = 0
    for(i = 0;i<Books.War.length;i++){
        document.writeln("<tr>");
        document.writeln("<td>War</td>");
        document.writeln("<td>" + Books.War[i].Name + "</td>");
        document.writeln("<td>" + Books.War[i].price + "</td>");
        document.writeln("</tr>");

    }
    document.writeln("</table>");
```

- II. Save the entire document as Json_array.htm. Choose “All Files” under the “Save as type”.



- III. Let's try to open Json Array Object using IE or any other javaScript enabled browser. It should produces the following result as shown in page 1.