

## Create JSON from String

- ✿ JSON is a [subset of JavaScript](#). Both follows the same syntax.
- ✿ [JavaScript function JSON.Parse\(text\)](#) is used to convert a JSON text into a JavaScript object.

### Sample Code:

```
<!DOCTYPE html>
<html>
<body>
<h1 style="color:blue">WikiTechy - learn json basics - json step by step
tutorials</h1>
</br>
<h2 id="WikiTechy_ParagraphTag" style="color:green"></h2>
<script>
  var WikiTechy_employees =
    '{"employees":[' +
      '{"firstName":"venkat","lastName":"jayaka" },' +
      '{"firstName":"jln","lastName":"jayaka" }]}';

  obj = JSON.parse(WikiTechy_employees);
```



```
document.getElementById("WikiTechy_ParagraphTag").innerHTML =  
    "First Employee is :" + obj.employees[0].firstName + " "  
        + obj.employees[0].lastName  
    + "</br></br>" +  
    "First Employee is :" + obj.employees[1].firstName + " "  
        + obj.employees[1].lastName;  
  
</script>  
</body>  
</html>
```

## Code Explanation:

- 1 A `<h2>` heading element is declared with the id `"WikiTechy_ParagraphTag"` to appear in green colored text.
- 2 The `<script>` element is initiated to enter JSON code.
- 3 The variable `"WikiTechy_employees"` is declared to contain JSON data.
- 4 The header for JSON data is declared as `"employees"`.
- 5 The first record of JSON data contains a firstname and lastname as follows:

```
{
```



```
"firstName":"venkat",  
"lastName":"jayaka"  
},
```

- 6** The second record of JSON data contains a firstname and lastname as follows:

```
{  
"firstName":"jln",  
"lastName":"jayaka"  
}
```

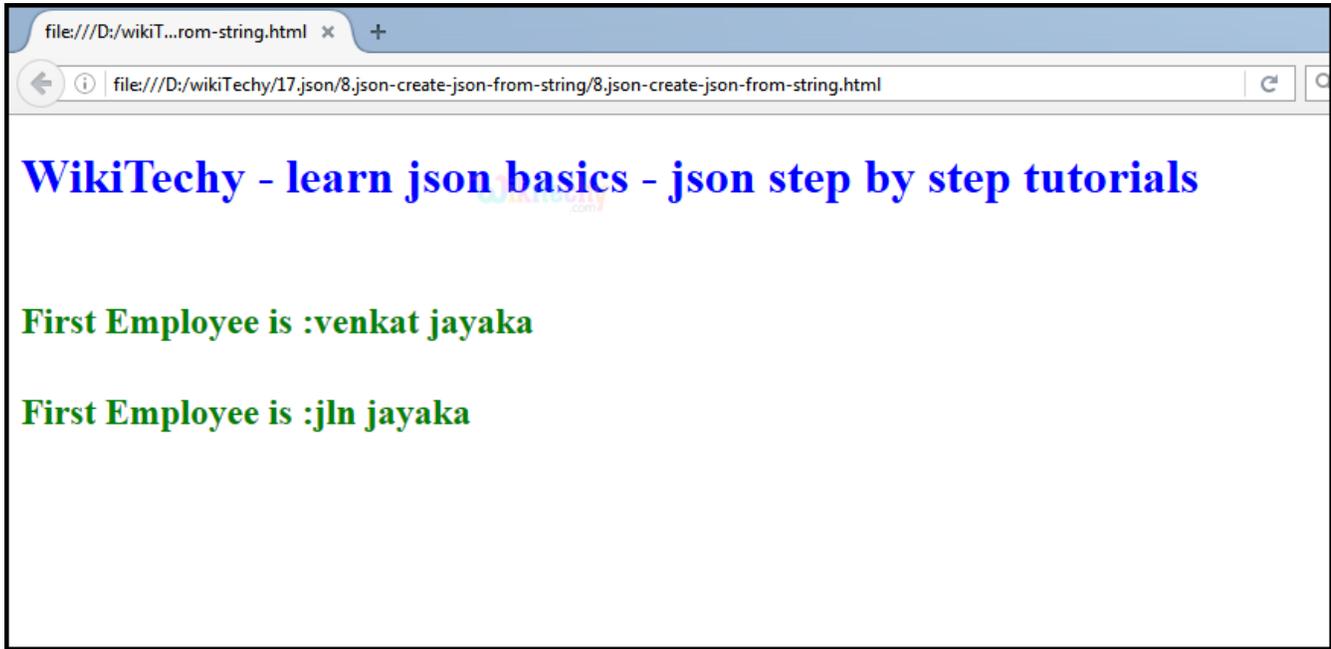
```
<!DOCTYPE html>  
<html>  
<body>  
<h1 style="color:blue">WikiTechy - learn json basics - json step by step tutorials</h1>  
</br>  
<h2 id="WikiTechy_ParagraphTag" style="color:green"></h2>  
  
<script>  
  var WikiTechy_employees =  
    '{"employees":[' +  
      '{"firstName":"venkat",  
       "lastName":"jayaka" },' +  
      '{"firstName":"jln",  
       "lastName":"jayaka" }]}';  
  
  obj = JSON.parse(WikiTechy_employees);  
  
  document.getElementById("WikiTechy_ParagraphTag").innerHTML =  
    "First Employee is :" + obj.employees[0].firstName + " "  
    + obj.employees[0].lastName  
    + "<br><br>" +  
    "First Employee is :" + obj.employees[1].firstName + " "  
    + obj.employees[1].lastName;  
</script>  
</body>  
</html>
```

- 7 The code `obj = JSON.parse(WikiTechy_employees);` parses the JSON variable `"WikiTechy_employees"` into a javascript object.
- 8 The line of code `document.getElementById("WikiTechy_ParagraphTag")` accesses the `<h2>` element, declared previously by its id `"WikiTechy_ParagraphTag"`.
- 9 The code `obj.employees[0].firstName` access the `"firstname"` attribute from the first record of the JSON object.
- 10 The code `obj.employees[0].lastName` access the `"lastname"` attribute from the first record of the JSON object. Both these values are assigned to the `"innerHTML"` attribute of the `<h2>` element id `"WikiTechy_ParagraphTag"`.
- 11 The code `obj.employees[1].firstName` access the `"firstname"` attribute from the second record of the JSON object.
- 12 The code `obj.employees[1].lastName` access the `"lastname"` attribute from the second record of the JSON object. Both these values are appended to the existing data of `"innerHTML"` attribute of the `<h2>` element id `"WikiTechy_ParagraphTag"`.



- 13** The JSON code is completed with script ending element as `</script>`.

## Sample Output:



The `<h2>` element is printed with data from the [first record](#) and [second record](#) of the [employees table](#) as shown above.