



Java Script Object Notation

- JSON stands for "JavaScript Object Notation".
- It is used to create objects easily and quickly.
 - An object is used to describe details about a particular element.
- It is light-weight than XML.

- An example of JSON object.

Object in XML

```
<?xml version="1.0" ?>  
<Employee>  
  <FirstName>John</FirstName>  
  <LastName>Doe</LastName>  
</Employee>
```

Object in JSON

```
{ "FirstName" : "John" , "LastName" : "Doe" }
```

- It is light-weight than XML.
- It is easy to understand, write and use.
- Most of the server-side languages like .NET, Java, PHP also supports "JSON parsers" to convert the data into JSON / from JSON.

➤ Creating object array / object collection.

Object Collection in XML

```
<?xml version="1.0" ?>
<Employees>
  <Employee>
    <FirstName>John</FirstName>
    <LastName>Doe</LastName>
  </Employee>
  <Employee>
    <FirstName>Anna</FirstName>
    <LastName>Smith</LastName>
  </Employee>
  <Employee>
    <FirstName>Peter</FirstName>
    <LastName>Jones</LastName>
  </Employee>
</Employees>
```

Object Collection in JSON

```
[
  { "FirstName" : "John", "LastName" : "Doe" },
  { "FirstName" : "Anna", "LastName" : "Smith" },
  { "FirstName" : "Peter", "LastName" : "Jones" }
]
```