# JSON vs XML

A list of differences between JSON and XML are given below.

| No. | JSON | XML |
|---|---|---|
| 1) | JSON stands for JavaScript Object Notation. | XML stands for eXtensible Markup Language. |
| 2) | JSON is simple to read and write. | XML is less simple than JSON. |
| 3) | JSON is easy to learn. | XML is less easy than JSON. |
| 4) | JSON is data-oriented. | XML is document-oriented. |
| 5) | JSON doesn't provide display capabilities. | XML provides the capability to display data because it is a markup language. |
| 6) | JSON supports array. | XML doesn't support array. |

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| 7) | JSON is less secured than XML. | XML is more secured. |
|----|--------------------------------|----------------------|
| 8) | JSON files are more human readable than XML. | XML files are less human readable. |
| 9) | JSON supports only text and number data type. | XML support many data types such as text, number, images, charts, graphs etc. Moreover, XML offeres options for transferring the format or structure of the data with actual data. |

# JSON Example

```
{"employees":[
    {"name":"Vimal", "email":"vjaiswal1987@gmail.com"},
    {"name":"Rahul", "email":"rahul12@gmail.com"},
    {"name":"Jai", "email":"jai87@gmail.com"}
]}
```

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# XML Example

```xml
<employees>
  <employee>
    <name>Vimal</name>
    <email>vjaiswal1987@gmail.com</email>
  </employee>
  <employee>
    <name>Rahul</name>
    <email>rahul12@gmail.com</email>
  </employee>
  <employee>
    <name>Jai</name>
    <email>jai87@gmail.com</email>
  </employee>
</employees>
```

## Similarities between JSON and XML

- Both are simple and open.

- Both supports unicode. So internationalization is supported by JSON and XML both.

- Both represents self describing data.

- Both are interoperable or language-independent.

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