

MID TERM EXAM

Q1 What is XLS? Why we use it?

ANS. **XLS** files are Microsoft Excel's workbook files in use between 97-2003. Later Excel versions use the XLSX extension. **XLS** and XLSX file formats contain all the information from the worksheets in a workbook, including formatting, charts, images, formulas, etc. The Microsoft **Excel** Binary File format, with the . **xls** extension and referred to as **XLS** or MS-**XLS**, was the default format **used** for spreadsheets in **Excel** through Microsoft Office 2003. The format is also referred to as Binary Interchange File Format (BIFF) in Microsoft's technical documentation.

Q2 What is XML?

ANS. **XML** stands for Extensible Markup Language. It is a text-based markup language derived from Standard Generalized Markup Language (SGML). **XML** tags identify the data and are **used** to store and organize the data, rather than specifying

how to display it like HTML tags, which are **used** to display the data.

- XML stands for eXtensible Markup Language
- XML is a markup language much like HTML
- XML was designed to store and transport data
- XML was designed to be self-descriptive
- XML is a W3C Recommendation

1. Q3. Compare JSON and XML. Give 5 points.

ANS. JSON

JSON object has a type

JSON types: string, number, array, Boolean

Data is readily accessible as JSON objects

JSON is supported by most browsers.

JSON has no display capabilities.

XML

XML data is typeless

All XML data should be string

XML data needs to be parsed.

Cross-browser XML parsing can be tricky

XML support various data types such as number, text, images, charts, graphs, etc. It also provides options for transferring the structure or format of the data with actual data.

Q4. Give two examples of each JSON and XML.

ANS. JSON

```
{ "employees": [
  { "firstName": "John", "lastName": "Doe" },
  { "firstName": "Anna", "lastName": "Smith" },
  { "firstName": "Peter", "lastName": "Jones" }
]}
```

XML

```
<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>
```

Q5: Is XML outdated? If yes, then what else industry prefers and why?

A5: No, xml isn't obsolete. It's broadly utilized. Regardless of whether increasingly more stuff on the web appear to utilize json, xml is still exceptionally normal. Numerous worker APIs are actualized in XML. Information feeds, for example, climate, donning chances, and so on Notwithstanding, nowadays designers use JSON increasingly more when contrasted with XML on the grounds that its linguistic structure is direct and creation and control is simple.