JSON FILE

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JSON stands for Java Script Object Notation[JSON] .It is used for open data interchange. It is simply a format which pass data from client to server & vice versa.Initially these works are done by HTML. Since world is updating and changing dynamic allocation is needed.

For eg: Opening an application(say facebook) in mobile . The application website sends the request to the server, and the server sends data back to the client (it may be in plain text format).The respond from the server will be in plain text format. The change of data into text format is done by JSON .Sending a normal plain text is good ,but sending a complex form of data such as employee details is quite a tedious process .Here by JSON works in sending complex form of data by creating objects .

XML is a extensible Markup Language used to be the only choice. But the world is updating and changing JSON has some additional good features to make the works more simpler and faster.

JSON is very simple and easy to understand it is very similar to java script.

**THE ADVANTAGES OF JSON FILE IS**

* Light weight
* More compact style
* More readable
* Speed
* Reduces the cost
* It has a structured data type

XML Vs JSON

Using type:XML

1. To fetch an xml document
2. Use xml DOM to loop through the document
3. Extract values
4. Store in variables

JSON:

1. Fetch a JSON string

2. Json path for the string

By this JSON makes our work easier

JSON syntax is a subset of XML syntax

1. GSON & JACKSON are the libraries .It converts object to JSON and JSON to object.
2. If the program contains object inside object an array can be used .

**Program syntax**

Var emp =

{

emp. E ID:”1”,

emp. E NAME:”AJITH”,

emp. SALARY:”6200”,

emp. DEPARTMENT:”EDUCATION”,

}

Var emp(i.e: emp is an object )

{“name”:”john”}

Keys(i.e: name) also must be in strings .when we write more data it should be separated by comma (,).

{“name”:”john”,”age”:57}

**Yml file**

Yml file is also known as yaml file .yaml file is generally used to write configuration files in a human readable data serialization standard used as a conjuction in all programming languages. It uses a text file and organize it in a human –readable format .It is used in configuration files,blue prints,and in page settings.yaml document is simply identity in a block literal using !,>,<,”,’.

Extension

.yml

.yaml

**Program syntax**

Name:”vijay”

Age:30

Gender:”male”

Hobbies:

-cricket

-hockey

-movie (OR)

Hobbies:[“cricket”,”hockey”,”movie”]

Friends :

-name:”many”

Age:23 (OR)

Friends:

-{name:”satish”,age:45}