JSON – How to Use

✸ Purpose of JSON is to **direct data from the server to the browser executing a web application.**

✸ The transfer is made possible without a **page refresh via Ajax along with jQuery JavaScript library methods**, such as getJSON() and parseJSON() as follows:
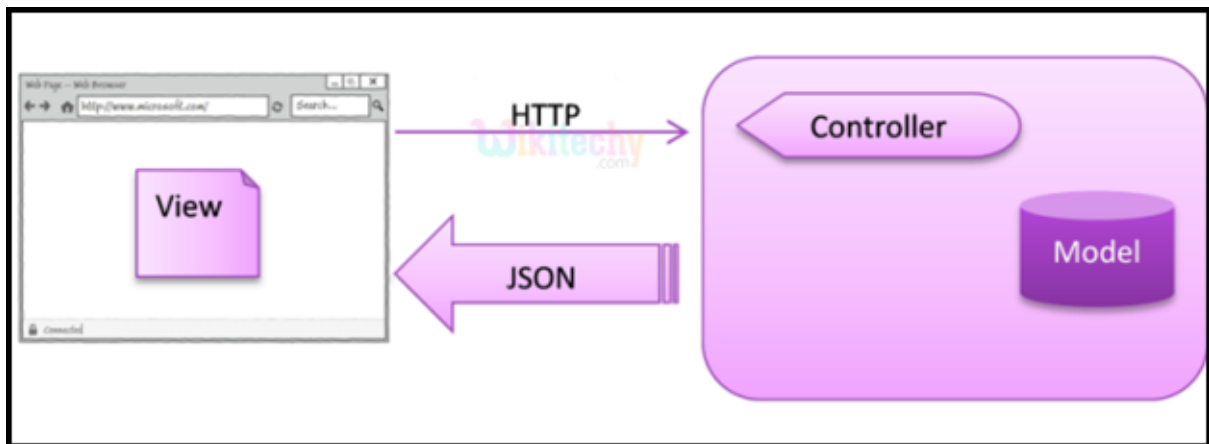

Fig1. Data Transmission with JSON

✸ JSON can as well be used in **reverse manner from browser to server** along with appropriately encoded GET or POST parameters.

Sample Code:

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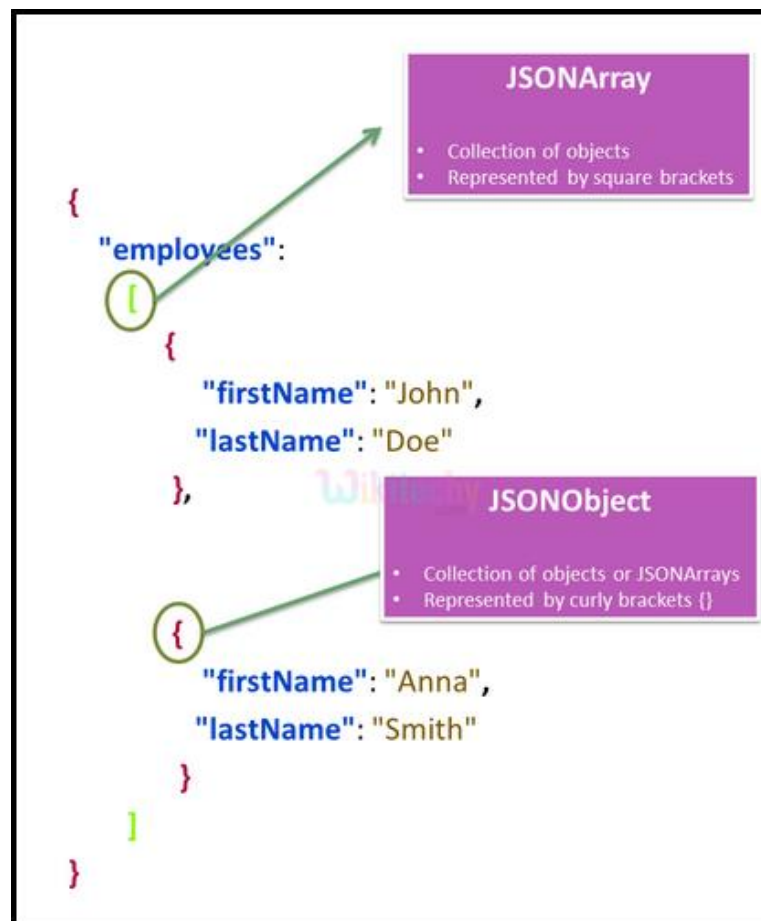

Fig2. JSON Data

✸ Android offers the following to work with JSON data as follows:

Array([)	In a JSON file, square bracket ([) represents a JSON array.
Objects({})	In a JSON file, curly bracket ({) represents a JSON object.
Key	A JSON object contains a key that is just a string. Pairs of key/value make up a JSON object
Value	Each key has a value that could be string , integer or double e.t.c.

Fig3. JSON Methodologies