JSON Notes

For machine to machine communication it important to have a standard that different applications can use to communicate with each others.

JSON data is written as name/value pairs:
- A name / value or "key/value" pair consists of a field name (in double quotes ""), followed by a colon : , followed by a value

Ex:
"Key: value"
Manufacturer: Tesla

JSON Data Types: Object
**Object**
- Unordered collection of key:value pairs
- Data surrounded by curly braces {}
- Key and value are separated by a colon, spaces don't matter
- Each key/value pair is separated by a comma (not the last!).  Trailing commas must not be used
- Use double quotes, not single quotes.
- Boolean values must be lowercase (different to Python)
- Boolean = a binary variable, having two possible values called "true" and "false.".
- Object Example:
    {"firstName": "Joe", "lastName": "Depew"}

- Example2:
{

    "firstName" : "Joe",
    "lastName" : "Depew",
    "domainName" : "jrtechconsult.com"
}
Note: be sure last key:value pair does not have a trailing comma0

**Array**

- Ordered list of values
- Uses Square Brackets  []
- Can store multiple types
    o JSON array can store valid JSON data types, such string, number, Boolean, object, null or another array
- Values must be separated by comma.