**Familiarity Review**

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**Week:** 8

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**Coding Topic:** **JSON**

**Description of Understanding:** The name JSON stands for JavaScript Object Notation. This is a lightweight format used in storing and transporting data. In most cases, JSON is used when transferring or sending data from the server to a webpage. I was able to use build a simple JSON data files that contains arrays, strings, Boolean and Integers. With this, I was able to store information in a JSON format and retrieved it when needed. The great about JSON is that a specific data can be called or retrieved without actually needing to pull all the data. In this fluency report, I was able to make that possible by calling in the arrays and then individual Data.

A very basic of JSON file is:

{

“Students”: [

{“name”: “William”, “username”: “Mik584”},

{“name”: “John”, “username”: “Jhe27#”},

{“name”: “Kenneth”, “username”: “w#Gmc4L”}

]

}

This is a basic example of an array in JSON and al JSON data must be surrounded with curry braces { }. And the last of the array don’t need to end with a comma (,).

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| **File** | **Git Link** |
| **JSON** | <https://github.com/nkenta/cit360/tree/master/JSON&QCJSON> |

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| **What should I be looking for?** | **Sandbox or Your code?** |
| In this project, I have the RunJSON.java which contains the student name and print out functions. Within this, we can read the files, create files and then return from JSON. As for the Student.java, we have the flow and other at which each object is printed out. We have the get and set; which implies to get the specific object in question and then set it to its location.  **QCJSON** - Sometimes working with JSON libraries can be a complicated at times and sometimes makes work hard. So with the implementation of QCJSON, it provides more simplicity and power to our program.  I got this file from **Yenrab** - <https://github.com/yenrab/qcJSON/tree/master/src/org/quickconnectfamily/json> | Mine |