**Fluency Review Template**

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**Week:** 2

**Coding Topic:** Loops, Conditional Statements, Functions, Variables, Parameters, Arrays, Associative Arrays

**Description of Understanding:** This first topic group I spent the most amount of my time trying to refresh my memory HTML, CSS and JavaScript. I learned how to declare and assign values to variables with ‘var’, ‘let’ and ‘const’. Rather than creating .java files, I challenged myself to code javascript in html. I created FOR, WHILE, and DO..WHILE loops, and used math operators to calculate values with variables. Additionally, I created and worked on some arrays. I declared arrays and extracted the values into a text variable to show to the user when a button was clicked. I also created an associative array to reference directly to specify values in the array. Finally, I learned how to traverse an array’s values with a for loop and sort an array as well. All the arrays were used in functions which were referenced by the html section.

**Teaching Video:**

**Starting at:**

**Also Integrated with:** Loops, Conditional Statements, Functions, Variables, Parameters, Arrays, Associative Arrays

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| --- | --- | --- | --- |
| **File** | **Git Link** | **What should I be looking for?** | **Sandbox or Your code?** |
| Variables.html | [https://github.com/romero-julian/CIT-261-Portfolio/...](https://github.com/romero-julian/CIT-261-Portfolio/blob/master/01.%20Loops%2C%20Conditional%20Statements%2C%20Functions%2C%20Variables%2C%20Parameters%2C%20Arrays%2C%20Associative%20Arrays/Variables.html) | Examples of variables and loops | Mine |
| Functions.html | [https://github.com/romero-julian/CIT-261-Portfolio/...](https://github.com/romero-julian/CIT-261-Portfolio/blob/master/01.%20Loops%2C%20Conditional%20Statements%2C%20Functions%2C%20Variables%2C%20Parameters%2C%20Arrays%2C%20Associative%20Arrays/Functions.html) | Use of functions, variables, and loops. | Mine |
| Arrays.html | [https://github.com/romero-julian/CIT-261-Portfolio/...](https://github.com/romero-julian/CIT-261-Portfolio/blob/master/01.%20Loops%2C%20Conditional%20Statements%2C%20Functions%2C%20Variables%2C%20Parameters%2C%20Arrays%2C%20Associative%20Arrays/Arrays.html) | Examples of arrays and associative, functions, loop and variables. | Mine |

**Coding Topic:** Object Creation Functions, Inheritance, Properties, Methods, Instantiation

**Description of Understanding:** The second topic group I learned about object creation. I learned that we can create objects where its contents can be accessed as an attribute. I also learned that I can add more properties to the object even after I’ve declared the object with specific properties.

**Teaching Video:**

**Starting at:**

**Also Integrated with:** Object Creation Functions, Inheritance, Properties, Methods, Instantiation

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| --- | --- | --- | --- |
| **File** | **Git Link** | **What should I be looking for?** | **Sandbox or Your code?** |
| Object Creation Functions | [https://github.com/romero-julian/CIT-261-Portfolio/...](https://github.com/romero-julian/CIT-261-Portfolio/blob/master/02.%20Object%20Creation%20Functions%2C%20Inheritance%2C%20Properties%2C%20Methods%2C%20Instantiation/Object-Creation-Functions.html) | Object creation functions, accessing properties and adding values | Mine |
| Inheritance | [https://github.com/romero-julian/CIT-261-Portfolio/...](https://github.com/romero-julian/CIT-261-Portfolio/blob/master/02.%20Object%20Creation%20Functions%2C%20Inheritance%2C%20Properties%2C%20Methods%2C%20Instantiation/Inheritance.html) | Object instantiation and inheritance | Mine |
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**Diagram**: UML Class Diagram

**Description of Understanding:** I was able to use a Class Diagram as a part of the design of my DVD Collection application. The diagram helped me to identify the necessary classes and interfaces.

**Teaching Video:** None

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| --- | --- | --- |
| **File** | **What should I be looking for?** | **Example**  **Or Your code?** |
| /myrepository/uml/classdiagrams/dvdcollection.pdf | My first try at this diagram. | My code |