JavaScript

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| **Global and Local Variables:**  The code below declares both a global and local variable named Kelsey and writes both of them to the document:  **[https://sites.google.com/site/ivanolivarescis2336/_/rsrc/1336323720004/week12-assignments/javascript-tutorial-part-4/Tutorial_11_Source.JPG](https://sites.google.com/site/ivanolivarescis2336/week12-assignments/javascript-tutorial-part-4/Tutorial_11_Source.JPG?attredirects=0)**  Here is the result of the code above:  **[https://sites.google.com/site/ivanolivarescis2336/_/rsrc/1336323747106/week12-assignments/javascript-tutorial-part-4/Tutorial_11.JPG](https://sites.google.com/site/ivanolivarescis2336/week12-assignments/javascript-tutorial-part-4/Tutorial_11.JPG?attredirects=0)**  **Math Operators:**  The following code has two numbers 7 and 9. 1 was added to 7 to make it 8 and 1 was subtracted from 9 to make it equal 8 as well:  **[https://sites.google.com/site/ivanolivarescis2336/_/rsrc/1336323912566/week12-assignments/javascript-tutorial-part-4/Tutorial_12_Source.JPG](https://sites.google.com/site/ivanolivarescis2336/week12-assignments/javascript-tutorial-part-4/Tutorial_12_Source.JPG?attredirects=0)**  Here is the result of the code above:  **[https://sites.google.com/site/ivanolivarescis2336/_/rsrc/1336323939225/week12-assignments/javascript-tutorial-part-4/Tutorial_12.JPG](https://sites.google.com/site/ivanolivarescis2336/week12-assignments/javascript-tutorial-part-4/Tutorial_12.JPG?attredirects=0)**  **Assignment Operators:**  The following code takes the number 24 and applies multiple math operators with the number 54:  **[https://sites.google.com/site/ivanolivarescis2336/_/rsrc/1336324122198/week12-assignments/javascript-tutorial-part-4/Tutorial_13_Source.JPG](https://sites.google.com/site/ivanolivarescis2336/week12-assignments/javascript-tutorial-part-4/Tutorial_13_Source.JPG?attredirects=0)**  Here is the result of the code above:  **[https://sites.google.com/site/ivanolivarescis2336/_/rsrc/1336324158006/week12-assignments/javascript-tutorial-part-4/Tutorial_13.JPG](https://sites.google.com/site/ivanolivarescis2336/week12-assignments/javascript-tutorial-part-4/Tutorial_13.JPG?attredirects=0)**  **If Statement:**  The following code uses the IF Statement in order to determine what to write to the document. If both values are equal (in this case they are) then it writes "Yay it worked!" if not then it writes "They dont equal each other":  **[https://sites.google.com/site/ivanolivarescis2336/_/rsrc/1336324349976/week12-assignments/javascript-tutorial-part-4/Tutorial_14_Source.JPG](https://sites.google.com/site/ivanolivarescis2336/week12-assignments/javascript-tutorial-part-4/Tutorial_14_Source.JPG?attredirects=0)**  Here is the result of the code above:  **[https://sites.google.com/site/ivanolivarescis2336/_/rsrc/1336324395878/week12-assignments/javascript-tutorial-part-4/Tutorial_14.JPG](https://sites.google.com/site/ivanolivarescis2336/week12-assignments/javascript-tutorial-part-4/Tutorial_14.JPG?attredirects=0)**  **IF/Else Statements:**  The following code compares two variables to determine what to write to the document. In this case the variable has to be less than or greater than the variable it is being compared to in order to get the desired results. If not then it writes a default line:  **[https://sites.google.com/site/ivanolivarescis2336/_/rsrc/1336324656622/week12-assignments/javascript-tutorial-part-4/Tutorial_15_Source.JPG](https://sites.google.com/site/ivanolivarescis2336/week12-assignments/javascript-tutorial-part-4/Tutorial_15_Source.JPG?attredirects=0)**  Here is the result of the following code:  **[https://sites.google.com/site/ivanolivarescis2336/_/rsrc/1336324680217/week12-assignments/javascript-tutorial-part-4/Tutorial_15.JPG](https://sites.google.com/site/ivanolivarescis2336/week12-assignments/javascript-tutorial-part-4/Tutorial_15.JPG?attredirects=0)**  **Nesting:**  The following code uses multiple If statements in order to create a nested loop. All the criteria have to be met in order for it to work. In this example the firstname criteria is correct but not the last name:  **[https://sites.google.com/site/ivanolivarescis2336/_/rsrc/1336324828505/week12-assignments/javascript-tutorial-part-4/Tutorial_16_Source.JPG](https://sites.google.com/site/ivanolivarescis2336/week12-assignments/javascript-tutorial-part-4/Tutorial_16_Source.JPG?attredirects=0)**  Here is the result of the code above:  **[https://sites.google.com/site/ivanolivarescis2336/_/rsrc/1336324875778/week12-assignments/javascript-tutorial-part-4/Tutorial_16.JPG](https://sites.google.com/site/ivanolivarescis2336/week12-assignments/javascript-tutorial-part-4/Tutorial_16.JPG?attredirects=0)**  **Complex Conditions:**  This code is similar to Nested code except if the criteria is not correct nothing will be printed on the screen.  **[https://sites.google.com/site/ivanolivarescis2336/_/rsrc/1336325094880/week12-assignments/javascript-tutorial-part-4/Tutorial_17_Source.JPG](https://sites.google.com/site/ivanolivarescis2336/week12-assignments/javascript-tutorial-part-4/Tutorial_17_Source.JPG?attredirects=0)**  Here is the result of the following code:  **[https://sites.google.com/site/ivanolivarescis2336/_/rsrc/1336325118985/week12-assignments/javascript-tutorial-part-4/Tutorial_17.JPG](https://sites.google.com/site/ivanolivarescis2336/week12-assignments/javascript-tutorial-part-4/Tutorial_17.JPG?attredirects=0)**  **Switch:**  The following code uses switches in order to determine what to write. The variables that it is looking for are "natalie" and "ashley"  . However since the variable is spelled "nataliee" it gives us the default case:  **[https://sites.google.com/site/ivanolivarescis2336/_/rsrc/1336325536818/week12-assignments/javascript-tutorial-part-4/Tutorial_18_Source.JPG](https://sites.google.com/site/ivanolivarescis2336/week12-assignments/javascript-tutorial-part-4/Tutorial_18_Source.JPG?attredirects=0)**  Here are the results for the code above:  **[https://sites.google.com/site/ivanolivarescis2336/_/rsrc/1336325411900/week12-assignments/javascript-tutorial-part-4/Tutorial_18.JPG](https://sites.google.com/site/ivanolivarescis2336/week12-assignments/javascript-tutorial-part-4/Tutorial_18.JPG?attredirects=0)**  **For Loop:**  The following code will continue to write to the page until the conditions are no longer met. In this case it is writing to the file until i is no longer less than or equal to 10:  **[https://sites.google.com/site/ivanolivarescis2336/_/rsrc/1336325542727/week12-assignments/javascript-tutorial-part-4/Tutorial_19_Source.JPG](https://sites.google.com/site/ivanolivarescis2336/week12-assignments/javascript-tutorial-part-4/Tutorial_19_Source.JPG?attredirects=0)**  Here is the result of the code above:  **[https://sites.google.com/site/ivanolivarescis2336/_/rsrc/1336325616140/week12-assignments/javascript-tutorial-part-4/Tutorial_19.JPG](https://sites.google.com/site/ivanolivarescis2336/week12-assignments/javascript-tutorial-part-4/Tutorial_19.JPG?attredirects=0)**  **While Loop:**  The following code will continue to write to the page while the conditions are still true:  **[https://sites.google.com/site/ivanolivarescis2336/_/rsrc/1336325751581/week12-assignments/javascript-tutorial-part-4/Tutorial_20_Source.JPG](https://sites.google.com/site/ivanolivarescis2336/week12-assignments/javascript-tutorial-part-4/Tutorial_20_Source.JPG?attredirects=0)**  Here is the result for the code above:  **[https://sites.google.com/site/ivanolivarescis2336/_/rsrc/1336325780208/week12-assignments/javascript-tutorial-part-4/Tutorial_20.JPG](https://sites.google.com/site/ivanolivarescis2336/week12-assignments/javascript-tutorial-part-4/Tutorial_20.JPG?attredirects=0)**  **Do While:**  The following code will continue to write to the document while the conditions are true.  **[https://sites.google.com/site/ivanolivarescis2336/_/rsrc/1336326268168/week12-assignments/javascript-tutorial-part-4/Tutorial_21_Source.JPG](https://sites.google.com/site/ivanolivarescis2336/week12-assignments/javascript-tutorial-part-4/Tutorial_21_Source.JPG?attredirects=0)**  Here are the results of the code above:  **[https://sites.google.com/site/ivanolivarescis2336/_/rsrc/1336326083601/week12-assignments/javascript-tutorial-part-4/Tutorial_21.JPG](https://sites.google.com/site/ivanolivarescis2336/week12-assignments/javascript-tutorial-part-4/Tutorial_21.JPG?attredirects=0)**  **Event Handlers:**  The following code makes use of event handlers which only activate when a certain event happens. For this code the event is a mouse click that will cause an alert box pop up:  **[https://sites.google.com/site/ivanolivarescis2336/_/rsrc/1336326275092/week12-assignments/javascript-tutorial-part-4/Tutorial_22_Source.JPG](https://sites.google.com/site/ivanolivarescis2336/week12-assignments/javascript-tutorial-part-4/Tutorial_22_Source.JPG?attredirects=0)**  Here are the results of the code above:  **[https://sites.google.com/site/ivanolivarescis2336/_/rsrc/1336326304117/week12-assignments/javascript-tutorial-part-4/Tutorial_22.JPG](https://sites.google.com/site/ivanolivarescis2336/week12-assignments/javascript-tutorial-part-4/Tutorial_22.JPG?attredirects=0)**  **OnMouseOver and OnLoad:**  The following code will create an alert message when the page is loaded:  **[https://sites.google.com/site/ivanolivarescis2336/_/rsrc/1336326447042/week12-assignments/javascript-tutorial-part-4/Tutorial_23_Source.JPG](https://sites.google.com/site/ivanolivarescis2336/week12-assignments/javascript-tutorial-part-4/Tutorial_23_Source.JPG?attredirects=0)**  This is the result of the code above:  **[https://sites.google.com/site/ivanolivarescis2336/_/rsrc/1336326524658/week12-assignments/javascript-tutorial-part-4/Tutorial_23.JPG](https://sites.google.com/site/ivanolivarescis2336/week12-assignments/javascript-tutorial-part-4/Tutorial_23.JPG?attredirects=0)**  **Objects:**  The following code analyzes the size of the object that is declared and writes it on the page. In this case the object is "Hey i am a tuna fish" :  **[https://sites.google.com/site/ivanolivarescis2336/_/rsrc/1336326614670/week12-assignments/javascript-tutorial-part-4/Tutorial_24_Source.JPG](https://sites.google.com/site/ivanolivarescis2336/week12-assignments/javascript-tutorial-part-4/Tutorial_24_Source.JPG?attredirects=0)**  Here is the result of the code above:  **[https://sites.google.com/site/ivanolivarescis2336/_/rsrc/1336326671078/week12-assignments/javascript-tutorial-part-4/Tutorial_24.JPG](https://sites.google.com/site/ivanolivarescis2336/week12-assignments/javascript-tutorial-part-4/Tutorial_24.JPG?attredirects=0)**  **Creating Our Own Objects:**  For the following code there are two different objects that are declared. But we are taking certain parts of the object to create a new object:  **[https://sites.google.com/site/ivanolivarescis2336/_/rsrc/1336326901499/week12-assignments/javascript-tutorial-part-4/Tutorial_25_Source.JPG](https://sites.google.com/site/ivanolivarescis2336/week12-assignments/javascript-tutorial-part-4/Tutorial_25_Source.JPG?attredirects=0)**  Here is the result of the code above:  **[https://sites.google.com/site/ivanolivarescis2336/_/rsrc/1336326928812/week12-assignments/javascript-tutorial-part-4/Tutorial_25.JPG](https://sites.google.com/site/ivanolivarescis2336/week12-assignments/javascript-tutorial-part-4/Tutorial_25.JPG?attredirects=0)**  **Object Initializers:**  The following code uses two objects with multiple variables and uses them to write to the page:  **[https://sites.google.com/site/ivanolivarescis2336/_/rsrc/1336327080439/week12-assignments/javascript-tutorial-part-4/Tutorial_26_Source.JPG](https://sites.google.com/site/ivanolivarescis2336/week12-assignments/javascript-tutorial-part-4/Tutorial_26_Source.JPG?attredirects=0)**  This is the result of the code above:  **[https://sites.google.com/site/ivanolivarescis2336/_/rsrc/1336327163537/week12-assignments/javascript-tutorial-part-4/Tutorial_26.JPG](https://sites.google.com/site/ivanolivarescis2336/week12-assignments/javascript-tutorial-part-4/Tutorial_26.JPG?attredirects=0)**  **Adding Methods to our Objects:**  The following code uses methods  and objects in order to calculate the years Natalie has to left before she can retire:  **[https://sites.google.com/site/ivanolivarescis2336/_/rsrc/1336327301083/week12-assignments/javascript-tutorial-part-4/Tutorial_27_Source.JPG](https://sites.google.com/site/ivanolivarescis2336/week12-assignments/javascript-tutorial-part-4/Tutorial_27_Source.JPG?attredirects=0)**  Here is the result for the code above:  **[https://sites.google.com/site/ivanolivarescis2336/_/rsrc/1336327328128/week12-assignments/javascript-tutorial-part-4/Tutorial_27.JPG](https://sites.google.com/site/ivanolivarescis2336/week12-assignments/javascript-tutorial-part-4/Tutorial_27.JPG?attredirects=0)** |