| Sprint 9, Assignment 9.7 Please also update the doc name with correct numbers. | |
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| Assignment type: JS Interactive | |
| Assignment name  Can remain the same as the assignment topic name, or…  can be created depending on the task in the active form, e.g. “Create your own X” | “Equals” |
| BDG Description\*  What is the task and why is it important?  In this part, it’s encouraged to think about storytelling and future job-specific context e.g. “You’ve been asked to help out X with Y. They want Z on their website, yet aren’t too sure on how to achieve it”.  Drawing on practical examples and adding context can increase a student's motivation and increase long term learning according to Instructional Design principles, because this helps to relate some familiar or existing knowledge to new bits of information.  This will appear in the course as text before a button, leading to the interactive platform assignment. | As you work on the autoparts website, it’s going to be a good idea to write some equivalency checks to make sure everything is working properly (in addition to the console logging you are already doing). Soon, you will need to be able to confirm things like   * Whether the user’s birthday was stored as a number, * Whether the user has a “premier” status, and even * Whether another email circular promoting the seasonal sale should be sent out   For now though, perform some basic equivalency checks to cement your understanding of the “equals” sign! |
| The Assignment  A short specific description of the assignment and tasks using bullet points that the student will need to do. | Test for equivalence (type),  strict equivalence (value and type), and  Non-equivalency for  Both a string and a number, and two strings |

| Steps  Step-by-step instructions on what the student should do. | | |  |
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| Step # | Step  Write each small step of the task | At least 1x hint(s)  Write some text (not necessarily, but can also be a part of code if relevant) which would hint the student to figure out the correct step forward. | The correct output should be…  (if relevant to the task) |
| 1 | Test equivalence (type) | Create four variables, two of which are numbers, and two of which are string-versions of those same numbers  Test whether 1 == “1” and whether 1 == “2” | True  False |
| 2 | Test strict equivalence (value and type) | Test whether 1 === “1” | False |
| 3 | Test not equivalent and strict not equivalent | Test whether 2 != “1” | True |
| 4 | Use equivalency to test whether (or not) one string is greater than another | Test whether “about” > “boat”  Try to explain why | False  Strings are evaluated letter by letter, so “a” is not higher, or does not come after “b” |
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