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Module 5

9/16/24

1. Did any of the typeof outputs surprise you?

The outputs of 4, 5, 6, and 7 are the ones that did surprise me some. I remember reading on how java sees and works with numbers when they are in quotes and then they are called for in an operation. I was most surprised with 5 and 6 were ("5" - 1) returns 4 and ("5" + 1) returns 51.

1. What is happening in step 5.1 that is causing the line break?

In the ("Hi Dr. T!\nLet's get started!"). The \n is a line return.

1. What do you think is happening in 5.2? You might need to research this one.

In 5.2 the command ${100 / 2} finds half of 100 and converts it into a string.

1. Tell me why the output is what is for 5.3 - 5.8.

The plus operator merges strings if one of the items is not a string it will change it to a string and merge it. That is why on 5.3: ("con" + "cat" + "e" + "nate") = concatenate and 5.6: ("5" + 1) = 51. All other math operations will change the string into a number and do the operation.

5.4: (8 \* null) = (5 \* 0) = 0

5.6: ("5" - 1) = (5 – 1) = 4

5.8: ("five" \* 2) Returns NaN because “five” is not a number.

5.9: (false == true) False is not equal to true so it returns false.