A screen shot of a computer program

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1. Did any of the typeof outputs surprise you?

I did not expect the line break in console.log(“Hi Dr. T!\nLet’s get started!”);

I also though “five” would be assigned a value in question 5.7. So that surprised me a bit.

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

\n calls for a newline character which cause the string to have line break within them. So therefore there is a line break between “Hi Dr. T!” and “Let’s get started!”

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

The dollar sign is used in the syntax to evaluate and include expressions inside strings. In this case It is adding the expression (100/2) within the string to output 50.

1. Tell me why the output is what is for 5.2 - 5.8.

**5.2**

The words half of 100 is displayed at ‘’ are around them. The expression 100/2 is then included in brackets to then create the output of 50. So the final thing combines “half of 100 is” and “50”.

**5.3**

“con” “cat” “e” “nate” are all merged together using + in between each object to display concatenate as its output.

**5.4**

Null when used as a number is 0 so therefore 8\*null= 8\*0=0.

**5.5**

When any function is used beside + you can do normal operations. So in this case it is 5-1=4

**5.6**

Because “5” is a string it therefore applies 1 as a string too. So instead of adding them you would merge them together so it would be 51

**5.7**

“five” is not assigned a number so therefore multiplying it by two makes it an undefined as that does not make sense to multiply a word with a number value so the output is then NaN.

**5.8**

Since false and true are not equal to each other so the resulting false declares that console.log(true = = false) is false.