Module 5

Part 1:

This is one of three homework assignments you can complete for this week (you must do two, you may do all three for extra credit). This is geared towards those of you who have never worked with javascript before.

Your assignment should be in the form of an HTML page, which I will be able to run locally. Refer to the file 'js_in_webpage.html' on the github page for instructions on setting up javascript to run on an HTML page, and how to run/debug.

You should complete both of these in 2 (or more) functions on one HTML page

Create a function to reverse any word that you type in. This can be typed into either an input box or an alert box, and then print the result in a box or on the webpage.

Create a function that takes an input number, and prints a table with the first 20 multiples of the number, in order 5x4
example: type in 2 and it results in:

<table>

<tr><td>2</td><td>4</td><td>6</td><td>8</td></tr>

<tr><td>10</td><td>12</td><td>14</td><td>16</td></tr>

<tr><td>18</td><td>20</td><td>22</td><td>24</td></tr>

<tr><td>26</td><td>28</td><td>30</td><td>32</td></tr>

<tr><td>34</td><td>36</td><td>38</td><td>40</td></tr>

</table>

Part 2:

This is one of three homework assignments you can complete for this week (you must do two, you may do all three for extra credit). This is geared towards those of you who have have worked with javascript before.

Your assignment should be in the form of an HTML page, which I will be able to run locally. Refer to the file 'js_in_webpage.html' on the github page for instructions on setting up javascript to run on an HTML page, and how to run/debug.

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Write a function to load the presidents.csv data and display the data as an html table (you may use a cdv parser from any available library, though I encourage you to try the d3 one).

Now that you have the presidents data loaded, write a function that will return that president's height & weight when you type it in. This can be typed into either an input box or an alert box, and then print the result in a box or on the webpage.

Part 3:

This is one of three homework assignments you can complete for this week (you must do two, you may do all three for extra credit). Use the flask API you designed in module 4.5 to display some sort of information based on user input. D3.json will allow you to read json directly from a url.

Create an app that takes in some user input, and returns some sort of information from the trees dataset.

This is geared towards those of you who have worked with javascript before and want a challenge.

Deployment: Your apps from parts 1 and 2 must be deployed. There are a lot of options for deploying javascript apps, however I would recommend using github pages. Read more about how github pages work here: https://pages.github.com/

Part 3 includes a flask app, so don't worry about deployment. Just submit your flask app, your html file, and js files if required.