Week 1 Homework (5 points) - Due 6AM Tues Sept 26

Starting from the files found in **Week1HWStarter.zip**, make the following changes to the program (some in the HTML file, some in the JavaScript file):

1. Add a new table row beneath the "Total Tiles" row that will contain information about the "Price Per Tile". This should include an area where the JavaScript can add in text, as demonstrated by the other rows that have been done for you. **(1 point)**

2. Add a new variable called "tileType" that will store what kind of tile the customer wants the sign made of. Store the value "stone" in it. **(1 point)**

3. Add a conditional test that will check the variable "tileType" to see if it's "stone", "clay", or "wood". If it's "stone", set a new variable called "pricePerTile" to 10. If it's "clay", set "pricePerTile" to 5. If it's "wood", set pricePerTile to 7. **(1 point)**

4. Calculate the sign price by multiplying the number of characters in the sign by pricePerTile rather than by the fixed number given in the starter code **(1 point)**

5. Have the program output the type of tile plus its price into the Price Per Tile row that you created in step 1 (again, following the example from the other rows). For this particular row, do a little string concatenation so that you end up with "(stone) $10" in the field. **(1 point)**

In all of the above steps, be sure to use the variables that have been provided or that you have created. If I change the values assigned to your variables, the program should still work correctly -- e.g., if I changed "tileType" to "wood", I would see a sign calculated correctly for wood tile pricing. You will not get full credit for hard-coded solutions (i.e., using fixed numbers or strings where you could use variables).

Turn in this project on your blog. Homework will not be accepted in person or via email except under extenuating circumstances such as Blackboard not working. To submit the project, please rename the homework folder to **YourLastNameWeek1** and compress the folder in ZIP format. ***No other formats will be accepted!***

Each week, the homework will offer 1 or more bonus points. These exercises generally will require you to do a little research beyond what is covered in class. For this first week, I'll give you a hint: You will need to look in to the various ways of inspecting parts of a String in JavaScript!

BONUS: Right now the program counts the space in "Montague House" as a letter, since String.length counts every character. Fix this by writing a loop that counts the number of spaces in the sign text and then SUBTRACTS the number of spaces from the sign length before calculating the cost. To signal me that you've done this bonus, please change the sign text to "Montague House September Space Sale!" (1 point)