CS 20 Web Programming
Assignment 3: Joe's Hotdogs

Objectives
Create an interactive experience using JavaScript

Tasks
Your assignment is to create a web page to get an order for a new café in Medford called "Joe's Hotdog Stand". Joe's only sells three items: hotdogs ($4.99 each), French Fries ($3.99 each), and Drinks ($1.79 each). Joe is swamped due to his delectable hotdogs and is hoping online orders will help to manage the flow better.

The page should do the following:

- ~~Create constants to store the price of each item.~~
- ~~Using prompt(), ask the user three questions- how many hotdogs do they want, how many fries do they want and how many sodas do they want. When you get the values, store them in variables called numDogs, numFries, numSoda.~~
- ~~Create a function called showMoney() that takes a floating point number as a parameter and returns a string that shows the number rounded to exactly 2 places. You should use an arithmetic calculation to do this – you may not use any built-in Javascript functions that do formatting such as format() or toFixed(). You may use parseInt/parseFloat, ceil, floor, round.~~

  ~~For example,~~
  - ~~$2.5 should return 2.50~~
  - ~~$2.588 should return 2.59~~
  - ~~$2.582 should return 2.58~~

- ~~Calculate the subtotal for the order based on the pricing and the quantities requested. Store in a variable.~~
- ~~Implement Joe's special offer - 10% discount if the order (before tax) is at least $30. Store the discount amount in a variable. Update the subtotal.~~
- ~~Add 6.25% Massachusetts meals tax to the new subtotal (after any discount is calculated). This is the final amount the customer will need to pay.~~

Display all order information *on the page*:

- quantity of each item ordered and the total cost for that item
- subtotal before discount
- discount, if applicable
- subtotal after discount
- tax amount
- final total

Rubric

All deliverables provided – 10 points
Page runs to spec online – 70 points
Quality of code/Effort - 20 points

Deliverables Worksheet: Assignment 3

URL for page online (use any hosting) **sparek01.github.io/cs20-hw3**

~~☐ HTML file uploaded to Canvas~~

Is there anything you did not get to work?

I am not calling showMoney() until I print the values, so while my calculations are correct (I tested by printing out every step) my final values may be off by one cent due to floating point rounding errors. I attempted to fix this by making a helper function for rounding within showMoney() but I came across too many errors.

Question:

- What do you think of JavaScript as a programming language as compared to C++
  I find it more difficult to use because it just seems less intuitive to me. I like how logical C++ seems, especially because you get compiler errors so you know if things are wrong before they actually run. But that could be because I've taken 2 classes in C++ and I've only known JavaScript for a few days.