Intro to JavaScript Week 1 Coding Assignment

Points possible: 70

Category	Criteria	% of Grade
Functionality	Does the code work?	25
Organization	Is the code clean and organized? Proper use of white space, syntax, and consistency are utilized. Names and comments are concise and clear.	25
Creativity	Student solved the problems presented in the assignment using creativity and out of the box thinking.	25
Completeness	All requirements of the assignment are complete.	25

Instructions: In VS Code, or an IDE of your choice, write the code that accomplishes the objectives listed below. Ensure that the code compiles and runs as directed. Take screenshots of the code and of the running program (make sure to get screenshots of all required functionality) and paste them in this document where instructed below. Create a new repository on GitHub for this week's assignments and push this document, with your JavaScript project code, to the repository. Lastly, in the Learning Management System, click the "Add Submission" button and paste the URL to your GitHub repository.

Coding Steps:

1. Create a new directory for this project and open the directory in your editor.
2. Create two new files in your directory, index.js and index.html.
3. Type the following HTML in index.html.

```
<html>
    <script src="index.js"></script>
</html>
```

4. Inside index.js, create **<u>one</u>** variable for each of the following real-life examples and assign them values:
   a. Item price

b. Amount of money in wallet

c. Number of friends

d. Age in years (as a whole number)

e. First name

f. Last name

g. Middle initial

5. Create the following variables by performing operations (addition, subtraction, concatenation, etc…) on the variables created in the previous step:

a. New amount of money in wallet after buying the item

b. Number of friends you've made each year based on your age variable and your number of friends variable

c. Full name based on first name, middle initial, and last name

6. Use console.log() to print out the values of all the variables you've created. Provide some detail as to what the value being printed is. For example, if I had a variable called favorite state, I would do the following:
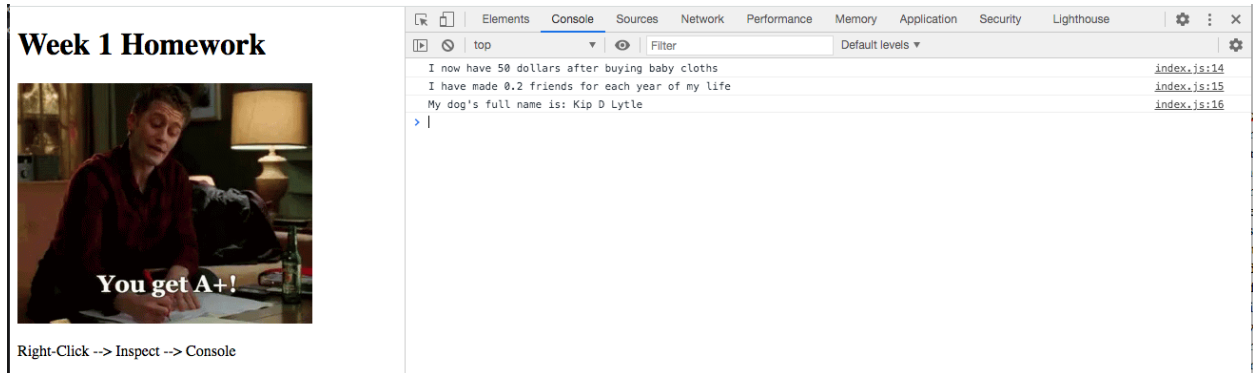
let favoriteState = "AZ";

console.log('My favorite state is: ' + favoriteState);

Screenshots of Code:

```html
<> index.html > ...
1    <!DOCTYPE html>
2      <head>
3          <script src="index.js"></script>
4          <title>Week 1 Homework</title>
5      </head>
6      <body>
7          <h1>Week 1 Homework</h1>
8          <img src="https://media1.tenor.com/images/e03d8a64a5339954f68659f5b3f7b037/tenor.gif?itemid=12889184"
9          alt="gif of grading" title="grading gif"/>
10         <p> Right-Click --> Inspect --> Console </p>
11     </body>
12  </html>
```

```js
JS index.js > ...
1    var itemPrice = 50.00;
2    var moneyInWallet = 100.00;
3    var numberOfFriends = 6;
4    var ageInYears = 30;
5    var firstName = "Kip";
6    var lastName = "Lytle";
7    var middleInitial = "D";
8
9
10   var moneyInWalletAfterBuyingItem = moneyInWallet - itemPrice;
11   var friendsEachYear = numberOfFriends/ageInYears;
12   var fullName = firstName + " " + middleInitial + " " + lastName;
13
14   console.log("I now have " + moneyInWalletAfterBuyingItem + " dollars after buying baby cloths");
15   console.log("I have made " + friendsEachYear + " friends for each year of my life");
16   console.log("My dog's full name is: " + fullName);
```

Screenshots of Running Application:

Week 1 Homework

You get A+!

Right-Click --> Inspect --> Console

Elements | Console | Sources | Network | Performance | Memory | Application | Security | Lighthouse

top | Filter | Default levels ▼

```
I now have 50 dollars after buying baby cloths                                    index.js:14
I have made 0.2 friends for each year of my life                                  index.js:15
My dog's full name is: Kip D Lytle                                                index.js:16
>
```

URL to GitHub Repository:

https://github.com/Christinalytle/JavaScriptWeek1.git