



## Intro to JavaScript Week 1 Coding Assignment

**Points possible:** 70

Category	Criteria	% of Grade
<b>Functionality</b>	Does the code work?	25
<b>Organization</b>	Is the code clean and organized? Proper use of white space, syntax, and consistency are utilized. Names and comments are concise and clear.	25
<b>Creativity</b>	Student solved the problems presented in the assignment using creativity and out of the box thinking.	25
<b>Completeness</b>	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. Add the URL for this week's repository to this document where instructed and submit this document to your instructor when complete.

### 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 **two** variables 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

```
1  /* Initial Variable Setup */
2  let itemPrice1 = 5;
3  let itemPrice2 = 10;
4  let moneyInWallet1 = 20;
5  let moneyInWallet2 = 50;
6
7  let numberOfFriends1 = 100;
8  let numberOfFriends2 = 160;
9
10 let age1 = 25;
11 let age2 = 80;
12
13 let firstName1 = "Mike";
14 let firstName2 = "Lisa";
15
16 let lastName1 = "Jones";
17 let lastName2 = "Smith";
18
19 let middleInitial1 = "K";
20 let middleInitial2 = "M";
21
22
23 /* Computed Variables */
24 let newMoneyInWallet1 = (moneyInWallet1 - itemPrice1);
25 let newMoneyInWallet2 = (moneyInWallet2 - itemPrice2);
26
27 let numFriendsEachYear1 = (numberOfFriends1 / age1);
28 let numFriendsEachYear2 = (numberOfFriends2 / age2);
29
30 let fullName1 = (firstName1 + " " + middleInitial1 + "." + lastName1);
31 let fullName2 = (firstName2 + " " + middleInitial2 + "." + lastName2);
32
33 /* Send output to console */
34 console.log('New amount of money in wallet1 after buying item1 is: $' + newMoneyInWallet1 );
35 console.log('New amount of money in wallet1 after buying item2 is: $' + newMoneyInWallet2 );
36
37 console.log('Number of friends made each year for person 1: ' + numFriendsEachYear1 + ' friends');
38 console.log('Number of friends made each year for person 2: ' + numFriendsEachYear2 + ' friends');
39
40 console.log('The full name of person 1 is: ' + fullName1);
41 console.log('The full name of person 2 is: ' + fullName2);
42
```



## Screenshots of Running Application:

Console created at 9:18:09 AM

📋 New amount of money in wallet1 after buying item1 is: \$15	📄 Global Code — index.js:35
📋 New amount of money in wallet1 after buying item2 is: \$40	📄 Global Code — index.js:36
📋 Number of friends made each year for person 1: 4 friends	📄 Global Code — index.js:38
📋 Number of friends made each year for person 2: 2 friends	📄 Global Code — index.js:39
📋 The full name of person 1 is: Mike K. Jones	📄 Global Code — index.js:41
📋 The full name of person 2 is: Lisa M. Smith	📄 Global Code — index.js:42



# PROMINEO TECH

**URL to GitHub Repository:**

<https://github.com/blentz100/Week1>