Week 13 codify academy

**Week 13**

**Group Discussion Questions**

1. How would you change a string to all lowercase letters?
2. Why is the toLowerCase() method useful?
3. Why is the trim() method useful?
4. When could you use the trim method?
5. What is the difference between the split() and join() methods?
6. What is one use of regular expressions in JavaScript?
7. What syntax is used to start and end a regular expression?
8. How could you use the test() method with a regular expression?

**Exercises**

***Important: Make sure to add comments to your code to help your future self.***

1. Create a copy of your template folder and rename it to week13exercise.
2. Drag this new folder into your 'week13' folder inside your 'codify' folder.
3. When working through these exercises, there are bits and pieces of the instructions that are deliberately left out. You should start thinking about what you THINK you will need in order to accomplish the request.
4. In JS: Create an array of 5 strings. Make sure to capitalize some of the letters in your strings.
5. In JS: Loop through the array. Change each string to lowercase, and then add them to a new array.
6. In JS: Loop through the new array (all lowercase strings) and log the first and last character of each string to the console.
7. In JS: Create a variable and store your name in it. Using the split method and a loop, log each letter of your name to the console.
8. In JS: Using the join method, put your name back together and replace all occurrences of one letter with another. (ie: replace all a's with y's)
9. In HTML: Create an input and a button.
10. In JS: Create a function that will get the user's input, test it against the standard regular expression for emails, and log the result in the console.
11. In JS: Make the function "listen" to the button using addEventListener().

***Once you have completed these exercises add them to Github.***

[Download Completed Week 13 Exercises](http://codifyacademy.com/wk13/week13exercises.zip)

**Project**

Today we will create a User Profile Application, the user should be able to add their information and that info should be displayed in HTML when the form is submitted

**Steps For Making this JavaScript Project - Remember to break this project into manageable steps:**

1. Paper Prototype the layout of the project.
2. Create the HTML needed to accept user data and a place to display the results.
3. Write pseudocode for the JavaScript Logic.
4. Write JavaScript from your pseudo code.
5. Style the finished product with some CSS.

**Working Project Examples**

[Profile Example](http://codifyacademy.com/litmos/wk13/profile" \t "_blank) [Survey Example](http://codifyacademy.com/litmos/wk13/survey" \t "_blank)