Week 9 codify academy

**Week 9**

**In Class Quiz**

1. What is the JS for creating an <h1> element?
2. What does document.getElementById(‘test’).value mean? Explain in your own words.
3. What does document.getElementById(‘test’) mean? Explain in your own words.
4. Can you change CSS from your JS file? If yes, explain in plain English how you might do that.

**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 week9exercise.
2. Drag this new folder into your 'week9' 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 HTML: Create a div tag. Give it two classes.
5. In CSS: Use one of the two classes to define the height and width of the div. Use the other class to define the div's background-color.
6. In JS: Change the background-color of the div to a different color.
7. In JS: Create a div and give it an ID.
8. In JS: Create an h1 tag and add some text to it using the textContent property.
9. In JS: Add that h1 to the div.
10. In JS: Create another div and give it an ID.
11. In JS: Create an h1 element. Create a text node. Add the text node to your h1, then add your h1 to your div.
12. In JS: Create an image and a button tag.
13. In JS: Create a function that changes the image source and alt attributes when you click on that button.

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

[Download Completed Week 9 Exercises](http://codifyacademy.com/wk9/week9exercises.zip)

**Project**

Today we will build a User Comment Application, we will need a form to get user data and then add it to an to the HTML using elements created in JavaScript.

**Steps For Making a JavaScript Project**

1. Paper Prototype the layout of the project (draw out how you want the app to look).
2. Create the HTML needed to accept user data and a place to display the results (you will usually create a form with input elements to get user data and a div with some id to select to display results).
3. Write pseudocode for the JavaScript Logic (this is a halfway point between plain english and pure JavaScript).Example of pseudocode:   
   select an input element by id and store it in a variable
4. Write the JavaScript to capture user data and display the result of the login (keep it simple, do one thing at a time and console.log along the way to make sure you're getting the elements and data you think you should be getting).Example in JavaScript:   
   var userHairColor = document.getElementById("userHairColor");   
   console.log(userHairColor);
5. Style the finished product with some CSS.

**Working Project Examples**

[Comment Example 1](http://codifyacademy.com/litmos/wk09/comment" \t "_blank) [Comment Example 2](http://codifyacademy.com/litmos/wk09/comment2" \t "_blank)