

1. This assignment must be stored on the server solace.ist.rit.edu in your account.
2. This assignment must have a valid HTML logo at the bottom of the page linked to the HTML validator
3. This assignment must have a valid CSS logo at the bottom of the page linked to the CSS validator
4. You are NOT allowed to use any **<hr> tags** in this assignment that is a deprecated tag!
5. Use borders to separate Part A from Part B, Part C, Part D & Part E
6. BONUS: if this page is a .php page, and the last date page was updated is obtained by PHP and displayed at the bottom of the page a bonus will be added.

Objective: By completing this exercise you will gain experience using JavaScript functions that manipulate elements in the Document Object Model.

Directions: Modify your HTML and JavaScript files from Exercise 4 so that they do the following:

Exercise 5a. Move Text: Each time the user clicks the “Move the Text” button, the text “I Move” moves 10 pixels to the right.

JavaScript Exercise 5a

I Move

Move the Text

Exercise 5b. Count element by type: Create the html form element shown in the code below. Then write the JavaScript code for the function 'howmany()' so that it counts how many total input elements are in the form, and how many input elements of type 'text' are in the form. Print these counts in an alert(). HINT: use the 'getElementsByTagName' function.

```
<!-- Exercise 5b -->
<div>
  <p class="exerTitle">JavaScript Exercise 5b </p>
  <form id="regForm">
    <input type="text" id="fname" placeholder = "boo"><br>
    <input type="text" id="lname" placeholder = "Radley"><br>
    <input type="checkbox" id="dog">I have a dog. (Check if you
do)<br>
    <input type="text" id="major" placeholder = "major"><br>
```

```

        <input type="button" onclick="howmany();" value="Count of
inputs">
    </form>
</div>

```

Exercise 5c. Change the name of the function on the 'onclick' event to 'colorchanger()'.. then code the colorchanger function to change the background color of the div in which your HTML for this exercise resides to the color selected from the options.



For example, in the image above, I chose 'yellow' and when I clicked the button the background of the div for this exercise turns yellow.

Exercise 5d. When the user rolls the mouse over the text it changes to the color of the selected option in exercise 5c.

Exercise 5e. Change out the innerHTML by creating a Text Node instead.

As always: Zip the EX05.html, EX05.js, and EX05.css files together and call the zip file EX05.zip.

Grading Rubric for Exercise 5 – JavaScript Part 2

| | |
|--|-----------|
| All HTML in a file named EX05.html or EX05.php | 1 |
| All JavaScript in a file named EX05.js | 1 |
| All Style in a file named EX05.css | 1 |
| Code must pass HTML validator, and you must have an HTML 5 logo at the bottom of your page linked to the HTML validator website https://validator.w3.org/ | 3 |
| Code must pass CSS validator, and you must have an VALID CSS logo at the bottom of your page linked to the CSS validator website https://jigsaw.w3.org/css-validator/ | 3 |
| Function 5a works | 2 |
| Function 5b works | 2 |
| Function 5c works | 2 |
| Function 5d works | 2 |
| Function 5e works | 2 |
| Comments in all three files | 1 |
| Total | 20 |

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This project **MUST** be on the solace.ist.rit.edu server

Make sure you include the correct working URL (web address) to this project in your comment section of the assignment box.

If it is not on the correct Server or you forget to submit your full working URL points will be deducted.

Points will be deducted if you do not provide the correct LINK to your Exercise #5.