

ISTE240

Exercise - 04

JavaScript – Part 1

DUE at Check MyCourses

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

Directions: Create the functions as described inside the code of each of the five html files in the zip file. Read all of the steps that follow. You may be able to start at step 2 if you feel comfortable working with JavaScript at this point. And other steps can probably be done simultaneously. Just be sure to do everything.

Step 1. Work on each exercise separately by getting the function to work correctly.

Step 2. Combine all of the functions into ONE JavaScript file. Name this file 'EX04.js'.

Step 3. Delete the functions from the original files and add a link to the JavaScript file into each of the five files.

Step 4. Test each of the five html files to be sure they still work correctly.

Step 5. Now combine all of the HTML files into one file. And separate each of the five different problems with a horizontal rule. Save this file as EX04.html

JavaScript Exercise 4a

This style of this paragraph will change when you click the button below.

Change Style

JavaScript Exercise 4b

First name:

Last name:

Submit

JavaScript Exercise 4c

Red

Display the Options

JavaScript Exercise 4d

This sentence will turn red when you mouseover it.

JavaScript Exercise 4d

First Operand

Second Operand

Divide

Multiply

The answer:

Figure 1-should look like this after Step 5!

Step 6. TEST, TEST, and TEST again.

Step 7. Remove any embedded style from the html file and add just a bit of style (margin-left, and font family, not a lot of code) in a separate style sheet. Add comments to the style sheet (your name, the date etc.). Name the style sheet EX04.css

Step 8. Add a comment in the beginning of the EX04.html file as follows:

<!-- your name --> (of course, put your own name here)

<!--date submitted --> (replace with today's date or whenever you finished it)

<!--ISTE240 Exercise 4 – JavaScript Part 1 -->

Step 8. TEST, TEST, and TEST again. Test everything every time you make any changes, including changes to comments.

Step 9. Add appropriate comments to your JavaScript file, and test everything again.

Step 10. Zip the EX04.html, EX04.js, and EX04.css files together and call the zip file EX04.zip

Grading Rubric for Exercise 4 – JavaScript Part 1

All HTML in a file named EX04.html	2
All JavaScript in a file named EX04.js, All Style in a file named EX04.css	2
A working link to this page from your first Exercise	2
Function 4a works	2
Function 4b works	2
Function 4c works	2
Function 4d works	2
Function 4e works	2
HTML Validates	2
Comments in all three files	2
Total	20