

Master Class Coding Exercises JavaScript / jQuery Part 1

Complete the following exercises using JavaScript/jQuery. If you are able, spend some time dressing them up visually. While by no means a requirement, it will help you become more comfortable working with CSS. Consider taking advantage of a CSS framework like Bootstrap (which we use extensively at Coder Foundry) to help you with visual presentation. You might spend some time browsing the Bootstrap documentation at getbootstrap.com, and exploring various Bootstrap templates and themes, such as those available at wrapbootstrap.com. (See the examples on page 2.)

- 1. Define a function maxOfFive() that takes five numbers as arguments and returns the largest of them.
- 2. Define a function sum() and a function multiply() that sums and multiplies (respectively) all the numbers in an array of numbers.
- 3. Write a program that calculates the factorial of a number. The factorial of a non-negative integer n is the product of all positive integers less than or equal to n. (i.e. $5! = 5 \times 4 \times 3 \times 2 \times 1 = 120$).
- 4. Define a function palindrome() that computes the reversal of a string, returning true if the string is a palindrome (the same forwards and backwards "radar" for example), and false if otherwise.
- 5. Write a program that iterates the integers from 1 to 100, printing the numbers to the screen. For each number that is a multiple of three, however, print "Fizz" instead of the number. For multiples of five print "Buzz" instead of the number. For numbers that are multiples of both three and five print "FizzBuzz."

You might consider using a jQuery/Bootstrap package such as SyntaxHighlighter (http://alexgorbatchev.com/SyntaxHighlighter/) to display formatted code in a TextArea object.



© 2014 Andrew Jenser



