**Javascript Exercises**

1. Write a JavaScript conditional statement to sort three numbers. Display an alert box to show the result.

*Sample numbers* : 0, -1, 4  
Output : 4, 0, -1

1. Write a JavaScript program which iterates the integers from 1 to 100. But for multiples of three print "Fizz" instead of the number and for the multiples of five print "Buzz". For numbers which are multiples of both three and five print "FizzBuzz"
2. Write a JavaScript function to check whether an `input` is an array or not.

Test Data :  
console.log(is\_array('w3resource'));  
console.log(is\_array([1, 2, 4, 0]));  
false  
true

1. Write a JavaScript program to construct the following pattern, using a nested for loop.

\*

\* \*

\* \* \*

1. Write a JavaScript program to compute the sum of an array of integers.

Example : var array = [1, 2, 3, 4, 5, 6]  
Expected Output : 21

1. Write a JavaScript function to find the highest value in an array.

Test Data :  
console.log(max([12,34,56,1]));  
console.log(max([-12,-34,0,-56,-1]));

1. Write a JavaScript function to compare dates (i.e. greater than, less than or equal to).

Test Data :  
console.log(compare\_dates(new Date('11/14/2013 00:00'), new Date('11/14/2013 00:00')));  
console.log(compare\_dates(new Date('11/14/2013 00:01'), new Date('11/14/2013 00:00')));  
console.log(compare\_dates(new Date('11/14/2013 00:00'), new Date('11/14/2013 00:01')));

1. Write a JavaScript function to get the minimum date from an array of dates

Test Data :  
console.log(max\_date(['2015/02/01', '2015/02/02', '2015/01/03']));  
Output :  
"2015/01/03"

1. Write a JavaScript program to calculate age.

Test Data :  
console.log(calculate\_age(new Date(1982, 11, 4)));  
32  
console.log(calculate\_age(new Date(1962, 1, 1)));  
53

1. Write a JavaScript program which accept a string as input and swap the case of each character.

For example if you input 'The Quick Brown Fox' the output should be 'tHE qUICK bROWN fOX'.

1. Write a JavaScript program which prints the elements of the following array.    
   Note : Use nested for loops.  
   Sample array : var a = [[1, 2, 1, 24], [8, 11, 9, 4], [7, 0, 7, 27], [7, 4, 28, 14], [3, 10, 26, 7]];  
   *Sample Output* :  
   "row 0"  
   " 1"  
   " 2"  
   " 1"  
   " 24"  
   "row 1"  
   ------  
   ------
2. Write a JavaScript function that accepts a string as a parameter and find the longest word within the string

Example string : 'Web Development Tutorial'  
Expected Output : 'Development'

1. Write a JavaScript program to get the website URL (loading page).
2. Write a JavaScript program where the program takes a random integer between 1 to 10, the user is then prompted to input a guess number. If the user input matches with guess number, the program will display a message "Good Work" otherwise display a message "Not matched".
3. Write a JavaScript program to get the current date.

*Expected Output*:  
mm-dd-yyyy, mm/dd/yyyy or dd-mm-yyyy, dd/mm/yyyy

1. Write a JavaScript function that accepts two arguments, a string and a letter and the function will count the number of occurrences of the specified letter within the string.

*Sample arguments*: ‘development', 'e'  
Expected output: 3