

# CSC 4370/6370 WEB PROGRAMMING In

## In class Assignment 7

### JavaScript

**Due date: 03/11/2020 11:59 PM**

1) Write a JavaScript program to get the first n Fibonacci numbers.

Hint: The Fibonacci Sequence is the series of numbers: 0, 1, 1, 2, 3, 5, 8, 13, 21, 34, . . . Each subsequent number is the sum of the previous two.

2) Write a JavaScript program to construct the following pattern, using a nested for loop to print asterisks.

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3) Write a JavaScript program to should sort the items of an array.

Sample array : `var arr1 = [ 3, 8, 7, 6, 5, -4, 3, 2, 1 ];`

Sample Output : -4,-3,1,2,3,5,6,7,8

4) Write a JavaScript program to find the most frequent item of an array.

Sample array : `var arr1=[3, 'a', 'a', 'a', 2, 3, 'a', 3, 'a', 2, 4, 9, 3];`

Sample Output : a ( 5 times )

5) Write a JavaScript program to shuffle an array of 6 integer values

6) Use JavaScript to validate a form. You will use an alert box Not required however (You may also use innerHTML since it's much easier than DOM operations) to indicate that fields are missing values. If there are no errors, you will use JavaScript to display (below the form) all of the fields that were entered.

- 1) Create a form with text fields for ID, FirstName, and LastName, and a button called Add.

ID:

FirstName:

LastName:

- 2) On clicking the Add button, a JavaScript will be called that checks that all fields have something. Two things will happen if a field is missing values:
  1. One alert box will pop up indicating which fields were missing values.
  2. Red text will appear above the field(s) that is(are) missing values. You can use innerHTML or DOM Operations for this.

The following is an example of the pop-up alert and the red text messages above the three empty fields:

ID: Please Enter an ID

FirstName: Please Enter a First Name

LastName: Please Enter a Last Name



Submission Requirements:

- 1) Submit the link to codd as well as all the files you used for this assignment on icollege.