

## Day 3 Lab Assignments

### Please do these assignments:

- 1- Make a button that display the current date and time in local format on the page
- 2- Make a button that on its onClick event opens new advertising window after 3 seconds, and write long paragraphs on it. Also, make another button that closes this page. (Note that the browser may block the opening of the new window; make sure that you allow this page to open popups in your browser).
- 3- Write a regular expression that matches only an even number. Numbers will be presented as strings.  
Examples  
"2341" → false  
"132" → true  
"29" → false  
"5578" → true
- 4- Write a script that reads from the user his info; validates and displays it with a welcoming message with today's date

Use coloring format according to user's choice. The user has to choose either red, green or blue color, take his choice via prompt

Parameter	Validation
Name	Should be character, i.e Not a number
Phone Number	Should be number, with length = 8
Mobile Number	Should be numbers, with length =11 and starts with (010 011 012) RegExp ) ( Bonus )
Email	Should use regular exp. To validate that the email is formatted correctly.(abc@123.com). (Use RegExp).



**5- Create an array of objects that hold student name along with his degree (Each element of the array is an object has 2 properties: Name and Degree).**

- a) Find student Name, who got degree between 90 and 100 [Use find()].**
- b) Print students names, who got a degree less than 60 [Use filter()].**
- c) Add a new student to the array [Use push(),()], and then use for...in to print all elements of the array.**
- d) Remove the last student of the array [Use pop()], and then use for...of to print all elements of the array.**
- e) Sort the array alphabetically based on the student name.**
- f) Use splice() function to add 2 new students after the second element of the array [Bonus].**
- g) Use splice() function to remove 1 student after the third element in the array [Bonus].**