**Day 4 Lab Assignments**

**Please do these assignments (Use strict mode in all assignments):**

1. On your page, show alert for the user that say “Welcome to my site”, then show him prompt ask him to enter his name and write to the page “ welcome + his name”. (Remark what happen to the home page after writing welcome page).

A screenshot of a computer

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A screenshot of a computer screen

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1. Make a function in external JS file, that takes 2 parameters and return sum of them(function return the result, don't alert or print it), and in your page make a button that ask the user to enter 2 numbers, call the function, and display the result returned by the function.
2. Make a buttons on a page when user clicks it, ask him to enter math expression (Ex. 3+4\*5/10\*8), and then pass this expression (user input) to a function that take one parameter and execute this expression and then show the result of this expression for the user in an alert in that format: (You entered: 3+4\*5, and the result is: 23).
3. Write a script that accepts a string from user through prompt and count the number of ‘A’ characters in it.
4. Make a button that when click on it show prompt to the user please enter a string then show another prompt please enter a word and search if this word is existing in the string if not print not found if exists print its position.
5. Write a JavaScript function to convert temperatures from Celsius, to Fahrenheit   
   [ **Formula** : c/5 = (f-32)/9]

[where **c** = temperature in Celsius and **f** = temperature in Fahrenheit]

**Bonus Assignments**

1. On contact page prompt user to enter his name, make sure that name is string, and let the user enter his birth year and make sure that it is a number, and it is less than 2010, and then calculate his age. For each prompt if user input valid show him next prompt, if not valid show him the same prompt again until user enters it correctly (use loops). And after validating user input, write all user input on the page in that format:

**Name:** ahmed

**Birth year:** 1981

**Age:** 30

8-Write the previous output (Q.7) on a table and create the table on runtime, like this:

|  |  |
| --- | --- |
| **Name** | Ahmed |
| **Birth year** | 1981 |
| **Age** | 30 |

**<Script>document.write(“Thank YOU”) </Script>**