**Day 1 Lab Assignments**

1. Use JQuery library to [Use ready() function with all assignments]:
   1. Make a button, when clicked Apply CSS properties on a div, that make its border red with 3px width (Use css() function not addClass() function), and handle the click event using JQuery.
   2. Make a div that when mouseover it its width be 200px and its background red, and when mouseover it again it width backs to 100px, and backcolor backs to blue (Use toggleClass()). [make default style for the div in CSS].
   3. Redo the Smily face [the slimly face that changes to sad face onmouseover and back again onmouseout] assignment in JavaScript course, using JQuery only [use attr() function, and handle the errors using JQuery].
   4. Redo assignment of login form in JavaScript course [that validates user input for user name and password, and show span with “valid” or “not valid” (or image) beside the textbox based on validation, and when submit redirects to a page that show welcome+user name], using Jquery only (don’t use any JS code, just JQuery code. Use: val(), html(),…..).
   5. Redo the assignment of the image fading assignment in JavaScript course, using JQuery [use one button that fades the image in when clicked and fade it out when clicked again].
   6. Redo the tiger assignment in JavaScript course, and make it moves gradually (walks) to the end of the page left when it clicked, and disappears when it reaches to the end of the page (left=0) using callback function, using JQuery (remove any DHTML code on the assignment and use JQuery only[use animate() function]).
2. Redo Ajax assignment in Javascript course and use **JQuery** and **JQuery AJAX** to retrieve user data, and display: First Name, Last name and user avatar image from the following test web service: <https://reqres.in/api/users/1>
   1. Make a textbox where the user can enter user ID, and press display and then display the user with the given ID.
   2. Use this API web service: <https://reqres.in/api/users> to display all users returning from it. (Loop on them and display all users).

**Enrich your skills (Big Bonus):**

1. Try **JQuery plugin: DataTables**, and make a demo on it.
2. Search for **underscore.js library** and use some demos from it.
3. Search for one of the Unit testing JavaScript libraries**: QUnit (JQuery plugin), Mocha, Jasmine, AVA**, and explain using Demo

**Bonus assignments:**

1. Make a demo in each() function in JQuery, and explain it.
2. Use prototype library with JQuery and handle the conflict in $() function.
3. Try other new effects and features in JQuery library, make a demo on it and explain it.
4. Try other JS libraries like: prototype, scriptaculous, Mootools, dojo,..etc, and make a demo and explain your demo.

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