

## Self Study Assignments

### Please do these assignments:

- 1- In Day 4 Assignment 1 (login page), use cookies to save the user name and password in cookies if the user checked the remember password checkbox, and when the user logs in again write his name in the user name text box in login form, and write his password in the password textbox (use `setAttribute()` method to set the value of password textbox).
- 2- Create an Empty HTML page, that has a `<h1>` tag with value "HTML DOM", and 10 buttons , and make each of them do one of the following tasks (using HTML DOM) when clicked:
  1. Create a paragraph node (use `createElement()` method), add any text on it, and set "id" attribute to it with value "p1", and class attribute with value "c1", then append it to your html page body.
  2. Create a div node (use `createElement()` method), add any text on it (make the text on it bold and red color), and set "id" attribute to it with value "d1", and class attribute with value "c1", then append it to your html page body.
  3. Create a text node with value ("New Text Node"), and insert it before buttons in the page (After `<h1>` tag).
  4. Create anchor `<a>` node, and set its href attribute (href to google), and insert it before the div.
  5. Use HTML5 selector to return all elements that use "c1" class, and loop the resulted nodes and alert their name and type.
  6. Alert the text node value (using `nodeValue` property) of the `<h1>` tag, and the text node after the `<h1>` tag, using nodes relations only [don't use HTML5 selector, `getElementById()`, `getElementsByName()`, nor `getElementsByTagName()`].
    - i. Can you return the `nodeValue` property for elements in the previous question? And what will be its value?
  7. Modify the text content of the paragraph to be "Modified text".
  8. Alert the href attribute value and node type of the anchor.
  9. Remove the image you added before.

- 3- On the Day5 Assignment, handle click event on the all buttons on the page to show alert saying “Button:” + button text (title) + “clicked” (Ex. Button 1 clicked”), using addEventListener() using one code line and loop.
  - a. Will addEventListener overwrite the function handler of the buttons that were handled in buttons’ HTML tags?
  - b. Can you use addEventListener to add more than one function handler to an element? And will they work all?
  - c. What is the third parameter in addEventListener method? And what it used for?
  - d. What’re the differences between addEventListener() and handle the event using ordinary methods (HTML tag event handler, and JS event handler)?
- 4- On the first Assignment, when user unchecks the “remember me” checkbox and logins, delete the cookie.

## **Bonus assignments:**

**Do what you can of the following Bonus assignments:**

- 1- Make a JS library that has 3 functions SetCookie(key,value, ExpireDate) that set the cookie with the given data , getCookie(key) that return the cookie with the given key, and deleteCookie(key) that deletes the cookie with the given key.
- 2- Search for HTML5 Local storage and session storage, and make a demo on it, and mention what're the differences between it and cookies.
- 3- Complete any old unfinished assignments and bonus assignments.

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