Web Programming Technologies
eDAC – May2021
Assignment-04

1 Write a program **access.html** to access the HTML tags using DOM concept in the following manner:
   a. Create a simple HTML page with some heading and some textboxes with two buttons and do following:
   b. Change the color of all heading tags on the click event of a button.
   c. Change the background color of all text boxes on the click event of button

2. Create a **stringmethods.html** page to accept a string from the user and perform the following functions:
   a. Calculate the length of the string.
   b. Convert the string to upper case, lower case.
   c. Check if letter 'v' is present in the given string. If yes at which index. Use search from beginning as well as from the end.
   d. Check which alphabet is present at index 3, also get its ASCII code.
   e. Accept two strings from the form and perform their concatenation.
   f. Display all the words in the given string by splitting the words separated by spaces

3. **Update Assignment02 Ques1** :-
Generate a 4 digit number captcha on the red button with random number generation onload of DOM using JavaScript function.
Enter the value into the textbox and check the captcha is valid or not.
If valid then display ok message in green color.
If invalid then display invalid captcha mesaage in red color and change the captcha digits.

4. Create an **append.html** page to append text on click of button as shown:

Append Text as Shown

Append Text

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5. Accept Date, month and year in dropdowns in **dob.html** page and do following and display appropriate error messages in red color:

   a. Fill Date. Month and year using JavaScript.

   b. Date, month and year are required.

   c. If months are- April, June, September, November then 31 date is not allowed

d. If month is feb then first check is it leap year and if leap year then allow 29 otherwise only till 28 date is allowed

e. Otherwise display the date on the screen.

6. Create a **video.html** page and do following:

1. Display heading in h1 in Green Color as "Bird's".
2. Make an ordered list of some bird's name.
3. Create a video control element.
4. Whichever bird name you click according to that bird- that bird video should be display in that video control.
5. Only one video control is there to display video.

7. In the **Assignment02 Ques.3 product.html** write a code in JavaScript to validate the following:

a. Title should only allow Mr or Ms

b. First name and Last name should contain alphabets only.

c. Email should be in valid form.

d. Contact No contains exactly 10 digits and number only.

e. Postcode should contain exactly 6 digits.

f. Password should be min 3 char and max 10 char length.

g. Password and confirm password should be same.

h. For invalid data display the error message and set focus to the same input field after clearing the wrong entry.