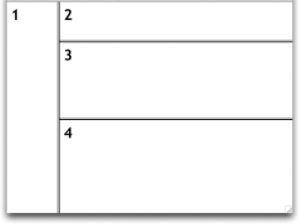
**Unit-2(HTML and CSS)**

1. **Create a webpage that contains**
   * **An image of car with height 120px, width 120px and alternative text for image “Cars”**
   * **Any image that contain client side imagemap that redirects to any page available online.**
   * **Any image that returns the coordinates of the clicked area to URL (use server side imagemap)**
2. **Design the following using HTML using the concept of nested frameset**

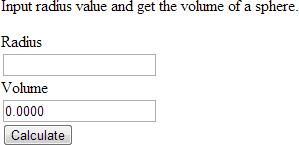
****

**Frame1 should contain three links, the first should be opened in frame 2, second in frame 3 and third in frame 4.**

1. **Create a webpage containing paragraph and an inline frame that loads any website.**
2. **Design a form in HTML using fieldset and legend that contains the following fields**
   * **Name as input type –text**
   * **Address as input type-text**
   * **A multiline text for Bio**
   * **A dropdown for address**
   * **A radio button for gender**
   * **A file input for identity upload**
   * **A password type input for contact number**
   * **A submit button**
3. **Embed a video with the separate play button using HTML 5.**
4. **Create a simple image gallery using CSS.**
5. **Create a striped table using CSS.**
6. **Create a link and apply CSS in such way that the links may represents different color for different events. For example, while hovering, it may be displayed in red color, after visiting the link it may be displayed in yellow, etc.**

**Unit-4(JavaScript)**

1. **Write a JavaScript conditional statement to sort three numbers. Display an alert box to show the result.**
2. **Write a JavaScript for loop that will iterate from 0 to 15. For each iteration, it will check if the current number is odd or even, and display a message to the screen.**
3. **Write a JavaScript program to calculate the volume of a sphere. Sample Output of the form :**

****

1. **Write a JavaScript program to highlight the bold words of the following paragraph, on mouse over a certain link.**

***Sample link and text* :**

**[**[**On mouse over here bold words of the following paragraph will be highlighted**](https://www.w3resource.com/javascript-exercises/javascript-dom-exercises.php)**]**

**We have just started this section for the users (beginner to intermediate) who want to work with various JavaScript problems and write scripts online to test their JavaScript skill.**

1. **Write a JavaScript function to check whether a given value is alpha numeric or not.**
2. **Write a program to validate email and password where password should be mix of alphabets, numbers and other characters.**

EX1:Clicking on the button the font, font size, and color of the paragraph text will be changed.

<!DOCTYPE html>

<html>

<head>

<meta charset=utf-8 />

<title>JS DOM paragraph style</title>

</head>

<body>

<p id ='text'>JavaScript Exercises - w3resource</p>

<div>

<button id="jsstyle" onclick="js\_style()">Style</button>

</div>

</body>

</html> JavaScript

function js\_style()

{

//font styles added by JS:

text.style.fontSize = "14pt"; text.style.fontFamily = "Comic Sans MS"; text.style.color = "green";

}

# EX:2 Highlight the bold words of a paragraph, on mouse over a certain link

<!doctype html>

<html>

<head>

<meta charset="UTF-8">

<title>Get And Style All Tags</title>

</head>

<body>

<p>[<a href="#" onMouseOver="highlight()" onMouseOut="return\_normal()">On mouse over here bold words of the following paragraph will be highlighted</a>]</p>

<p><strong>We</strong> have just started <strong>this</strong> section for the users (<strong>beginner</strong> to intermediate) who <strong>want</strong> to work with

<strong>various</strong> JavaScript <strong>problems</strong> and write scripts online to

<strong>test</strong> their JavaScript <strong>skill</strong>.</p>

</body>

</html> JavaScript

//First create a list of all bold items var bold\_Items;

window.onload = getBold\_items();

// Collect all <strong> tags function getBold\_items()

{

bold\_Items = document.getElementsByTagName('strong');

}

// iterate all bold tags and change color

function highlight()

{

for (var i=0; i<bold\_Items.length; i++)

{

bold\_Items[i].style.color = "green";

}

}

// On mouse out highlighted words become black function return\_normal()

{

for (var i=0; i<bold\_Items.length; i++)

{

[i].style.color = "black";

bold\_Items

}

}

# EX:3 Check whether the first character of a string is uppercase or not

<!DOCTYPE html>

<html>

<head>

<meta charset=utf-8 />

<title>JavaScript Regular expression to check string's first character is uppercase or not</title>

</head>

<body>

</body>

</html>

**JavaScript Code:**

function upper\_case(str)

{

regexp = /^[A-Z]/; if (regexp.test(str))

{

console.log("String's first character is uppercase");

}

else

{

console.log("String's first character is not uppercase");

}

}

upper\_case('Abcd'); upper\_case('abcd');

**Unit-5(AJAX and XML)**

1. **Create a XMLHttpRequest, and retrieve data from a txt file.**
2. **Design a form containing a field ‘name’ that provides suggestions by retrieving the content from PHP file**
3. **Create cdcatalog.xml file that stores the information about CDs. The XML file should contain the title, artist, country, company, price and year of CDs. Now display the content of that XML file using HTML table.**

**(Solutions available at** [**https://www.w3schools.com/js/js\_ajax\_examples.asp**](https://www.w3schools.com/js/js_ajax_examples.asp) **)**

**Unit-6(PHP and MySQL)**

1. [**Write a PHP program to compute the sum of the prime numbers less than 200**](https://www.techstudy.org/php/Write-a-PHP-program-to-compute-the-sum-of-the-prime-numbers-less-than-200)
2. [**Write a PHP script to convert lowercase string to uppercase**](https://www.techstudy.org/php/Write-a-PHP-script-to-convert-lowercase-string-to-uppercase)
3. [**Write a PHP script to calculate and print the factorial of a number using a for loop**](https://www.techstudy.org/php/Write-a-PHP-script-to-calculate-and-print-the-factorial-of-a-number-using-a-for-loop)
4. [**Write a PHP function to set union of two arrays**](https://www.techstudy.org/php/Write-a-PHP-function-to-set-union-of-two-arrays)

**PHP+MySQL**

1. **Create Database named “SL”.**
2. **Create table “students” with fields roll\_no, first\_name, last\_name, gender, address and contact\_no.**
3. **Insert at least 6 data into the table ‘students’ by creating form .**
4. **Display all the records from table ‘students’.**
5. **Display all the records from table ‘students’ where gender is male.**
6. **Update the contact number and address of last student in the list.**
7. **Delete the second record in the list.**
8. **Display the records in the table in the ascending order of names.**