**Fundamentals of Web Technology Lab**

**Assignment-1**

1. Create a webpage to display your name with every letter having a different heading size.
2. Create a webpage that displays two lists with any information you want. One list should be an ordered list and the other list should be an unordered list.
3. We need to have a HTML containing three lists.

List 1 will contain the following :

1) One

a. Uno

b. Hanna

2) Two

a. Dos

b. Dool

3) Three

a. Tres

b. Set

List 2 will contain :

• Chevy

o Cavilier

o Malibu

• Ford

o Escort

o F100

• Mazda

o 626

List 3 should be of two types : Fruits and Vegetables

A. Fruits

i. Apples,Oranges,Pears,Banana

B. Vegetables

i. Corn

a)On the cob

b)Cream

ii. Carrots

iii. Green Beans

1. Create a page that will display an image that has a border of size 2, a width of 200, and a height of 200.
2. Create a page which contains two links- one at the top and one at the bottom. On clicking the top link, the page has to scroll down to the bottom of the page where bottom link is present. On clicking the bottom link, the page has to scroll up to the top of the page.

**Assignment -2**

1. Write a HTML program to display the table having the columns(highlighted) as Decimal ,English, Spanish, Korean, Binary .

Following are the data to be in each rows respective of their columns :

Decimals : {1,2,3,4,5}

English : {one,two,three,four,five}

Spanish:{uno,dos,tres,quarto,cinco}

Korean:{hanna,dool,set,net,daset}

Binary:{0001,0010,0011,0100,0101}

Each element is the data which will be our rows for the corresponding columns

1. Write a HTML program to create visitor information capture. The page should have the heading “Visitors information” and should ask the following information from the user :

• Email address using a textbox ,

• User’s interest web for research or purchase as check box.

• Occupation as drop down box and preselected value should be given as (select one).

• Check “want us to send you junk emails?” and the options given are “absolutely” and “no way man” using the radio button.

* A horizontal line divides the heading and the body content. Once all the inputs are given, the user should be able to submit or reset.

• This whole form should be tabulated using table tag.

1. Write a HTML program to create an online registration form which captures the following data:

Username, Password, Confirm password, Name using textboxes.

Gender by radio buttons.

Address should be taken by multiple line inputs from the user.

Finally the Profession should be provided by selecting from the drop down box.

Make sure the contents of the page is aligned in the middle.

1. Write a HTML program to display the HTML page as described below:

• Create a page which is divided in 3 parts. 30% horizontally on top and the rest 70 % below is split

vertically in 2 parts again 30 % and 70% each

• The Top header frame should display an image

• Left side below frame should have a menu of “Font” and “Alignment”.

• If we click on “Font” link a different page which contains 5 different fonts with font’s names should be shown on the RHS

• If we click on “Alignment” link a different page which contains a different alignment type should be shown on the RHS frame.

• For this create 2 webpages named Font and Alignment.

• Font page should have 5 names of different fonts

displayed like this

Agency FB

Cambria

Elephant

• Alignment page should have sample text aligned to different alignments

1. Apply the style, font: Times New Roman in Question 1 on Tables
2. Group the Question 2 and 3 on Forms to a single web page providing separate div tags for each forms.
3. Apply the HTML 5 attributes in Question 2 and 3 on Forms Sample Attributes : email, placeholder, required, multiple.

**Assignment – 3**

1. Create a webpage that displays an image as the background of the page and set the background image position to right top.
2. Create a webpage that has a background color and a background image.
3. Create a webpage that displays different background color for different elements.
4. Create a webpage that displays an image as the background and also repeats the background image only horizontally.
5. Create a webpage that displays an image as the background and also repeats the background image only vertically.
6. Create a webpage that displays the text in different colors for each elements.
7. Create a webpage that displays the div element with the following text properties.

• Text color: Magenta

• Text alignment: right

• Text decoration: underline

• Text transform: uppercase

• Text indent: 60 pixels

1. Create a webpage that displays the div element with the following font properties.

• Font family: Verdana

• Font style: italic

• Font size: 20pixels

• Text align: left

• Font weight: bold

• Text color: Red

1. Create a web page that displays an image of size approximately 200 x 200 px, which gets itself repeated fully on the page. : (Use CSS)
2. Using CSS, create a web page that displays text “Welcome to CSS World” with an image as its border,

a. Image repeats itself to fit the contents

b. Image should stretch to fit the contents

**Assignment – 4**

1. Create a webpage that displays the hyperlink with the following color attributes.

• Set the color as %FF0000 for unvisited link

• Set the color as %FFFF00 for visited link

• Set the color as %FF00FF for mouse over link

• Set the color as %0000FF for selected link

1. Create a webpage that displays the hyperlink with the following properties.

• Set the color as red for unvisited link

• Set the text decoration as underline for unvisited link

1. Create a webpage that displays the hyperlink with the following background color properties.

• Set the background color as %FF0000 for unvisited link

• Set the background color as %FFFF00 for visited link

• Set the background color as %FF00FF for mouse over link

• Set the background color as %0000FF for selected link

1. Create a webpage that displays a list as an ordered list with the following properties.

• List-style-type: lower-greek;

• Text align: left

• Color: red

• Text transform: uppercase

• Text decoration: underline

• Font name: Verdana

• Font size: 20pixels

1. Create a webpage that displays a list as an unordered list with the following properties.

* List-style-type: square;
* Text align: left
* Color: red
* Text transform: uppercase
* Text decoration: underline
* Font name: Arial
* Font size: 25pixels
* Font weight: bold

**Assignment - 5**

1. Create a webpage that displays the paragraph with a total width of 250pixels.
2. Create a webpage that displays the paragraph with the following properties.

• Set the width of the border as 10 Pixels.

• Set the style of the border as dotted.

• Set the color of the border as #0000ff

1. Create a webpage that displays the paragraph with the following margin properties.

• Set the top margin as 2cm

• Set the bottom margin as 25%

1. Create a webpage that displays three paragraphs with the following margin properties.

• Set the top margin as 3cm for first paragraph

• Set the bottom margin as 5cm for first paragraph

• Set the left margin as 2cm for second paragraph

• Set the top margin as 25% for third paragraph

1. Create a webpage that displays four paragraphs with the following padding properties.

• Set the left padding as 3cm for first paragraph

• Set the right padding as 50% for second paragraph

• Set the bottom padding as 25% for third paragraph

• Set the top padding as 25% for fourth paragraph

**Assignment – 6**

1. Create a webpage that displays the div element with the following CSS properties.

• Set the border as 2 pixels solid

• Set the padding as 20 pixels

• Set the background as #dddddd

• Set the border top left radius as 2em

1. Create a webpage that displays the div element with the following CSS property.

• Set the text shadow as h-shadow

1. Create a webpage that displays a white text with black shadow.
2. Create a webpage that displays an image as the border around an element with the following properties.

• Border: 15 pixels solid

• Padding: 20 pixels

• Border image: url (imagename.png) 30 30 stretch

1. Create a webpage that displays an image as the background around an element with the following

properties.

• Border: 1 pixels solid black

• Height: 150 pixels

• Width: 180 pixels

• Background : url (imagename.gif)

• Background-repeat: no-repeat

• Background-size: cover

**Assignment – 7**

1. Write a JavaScript program which will print ‘HelloWorld’ in the body of the HTML document
2. Write a JavaScript function that reverses a number.

Example x = 32243;

Expected Output : 34223

1. Write a JavaScript function that checks whether a passed string is palindrome or not?
2. Write a JavaScript function that accepts a string as a parameter and converts the first letter of each word of the string in upper case.
3. Write a JavaScript program that displays the position of the first occurrence of "World" in the variable txt.
4. Write a JavaScript program that converts the text to upper case.
5. Write a JavaScript function to remove specified number of characters from a string.
6. Create an HTML page with two textboxes and a Calculate button:

When user enters the numbers and clicks the Calculate button, it has to alert the sum.

1. Write a JavaScript program which will have one textbox to get input as string and after giving input when you leave the input textbox, a function is triggered which transforms the input text to uppercase.

**Assignment – 8**

1. Create a HTML page with 4 hyperlinks named white, red, blue and pink.

The background colour of the HTML page will change based on the link which is clicked.

Write a javascript function to implement it.

1. Write a JavaScript program which will

a. give an alert message of today’s date.

b. prompt the user to give their name and gives an alert message ‘Hello’ and username.

c. prompt the user to give 2 numbers and alerts the sum of those 2 numbers.

1. Write a JavaScript program that prompts the user to enter a number and display whether the number given is odd or even.
2. Create program to display current time in a textbox (HH:MM:SS) such that the value in the time textbox is dynamic (Time should get updated every second) and not static. [Hint: Use setTimeOut function]
3. Write validation functions and modify the onSubmit event Handler in the form code to validate the following form fields:

1. Member number

• Must be entered

• Must be a number

2. Password

• Must be entered

• Must be longer than 4 characters

If an error occurs, use an alert box to display an error message for the first field in error and place the cursor in the first field in error.

1. Write validation functions and modify the onSubmit event Handler in the form code to validate the following form fields:

1. Phone Number

• Must be entered

• Must be in below format

XXX-XXX-XXXX

XXX.XXX.XXXX

**Assignment – 9**

1. Download bootstrap files as source files from the given location <http://getbootstrap.com/>
2. Unzip the contents and add the right files in the correct location of your MyExercise dynamic web project in eclipse
3. Create a OldLook.html web page in the current project with the following content

Tags - Contents

H1 – Welcome to my page

P – this is a trial for bootstrap

Table

TR

TH – col1

TH – col2

TR

TD – data1

TD – data2

TR

TD – data3

TD – data4

1. Create a webpage which displays different images on screen as you resize the browser

Take 4 images like img1.jpg , img2.jpg, img3.jpg , img4.jpg which should be displayed on the web page and only one should be visible at any time as you keep resizing the screen it should start changing to img2 and then to img3 and so on.

1. Create a small table with 2 columns Name and contact no, Populate the table with 5 of your friends names and their contact nos. When the mouse is taken over the table it should highlight the row where the mouse is placed.(hint : use table hover)
2. Create a table of food contents with its calorie value.

Display the rows of food contents with calories

<=300 in light green background,

301 to 700 in light blue,

700 - 1200 in light orange

>1200 in light red. (Hint: use table table-striped )

1. Create a webpage to display Tulips.jpg from sample pictures of your machine. Ensure the image has soft round edges and as you resize the screen, the image should also resize itself and fit its display to full page size.

**Assignment – 10**

1. Write a PHP program to check if a number is prime or not.
2. Write a PHP program to print the first 10 fibonacci numbers.
3. Create a MySQL database and connect with PHP.
4. Write a PHP script for storing and retrieving user information from MySQL table.
5. Write a HTML page which takes name, address, email and mobile no. from the user(Registration page)
6. Store this data in MySQL database
7. In another page display all user information in HTML table using PHP.