Chapter 1 - HTML

Lab Exercise - 1

Display website links on a HTML page (like google, facebook and use images to link this websites)

Below that display list of colors and fruits using *<ul>* and *<ol>* respectively

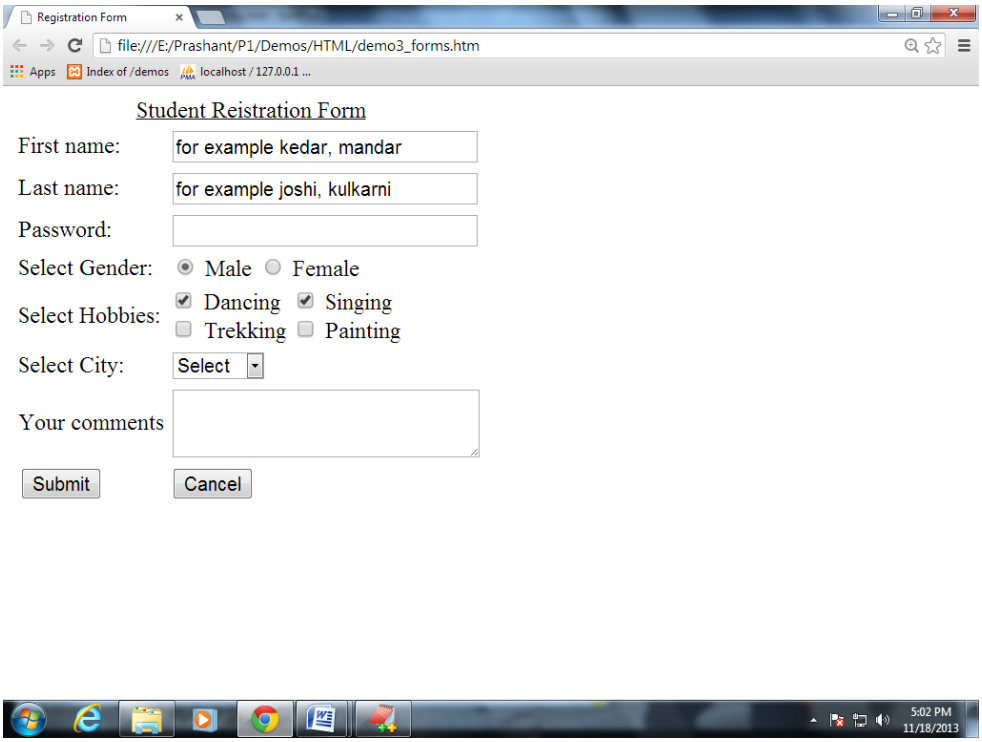
Below that display four different images and move them using *<marquee>* left-right and right-left

Set title for this web page

Lab Exercise - 2

Display “Student Registration Form” inside table on a web page.

It must contain the fields like First Name, Last Name, Password, Gender, Hobbies, Comments to Share, etc. Below is the sample look of a web page,



Chapter 2 - CSS

Lab Exercise - 1

Create a HTML page and display three paragraphs on it and then style them (like changing color, font size, font families, alignments, and more)

first para – use external css

second para - use internal css

third para – use inline css

Lab Exercise - 2

Display four images on a web page and write CSS property to change their height and width when user is pointing mouse cursor to any of the these four images.

Lab Exercise - 3

Display some text lines using different html elements like <p>, <h1>….<h6>,

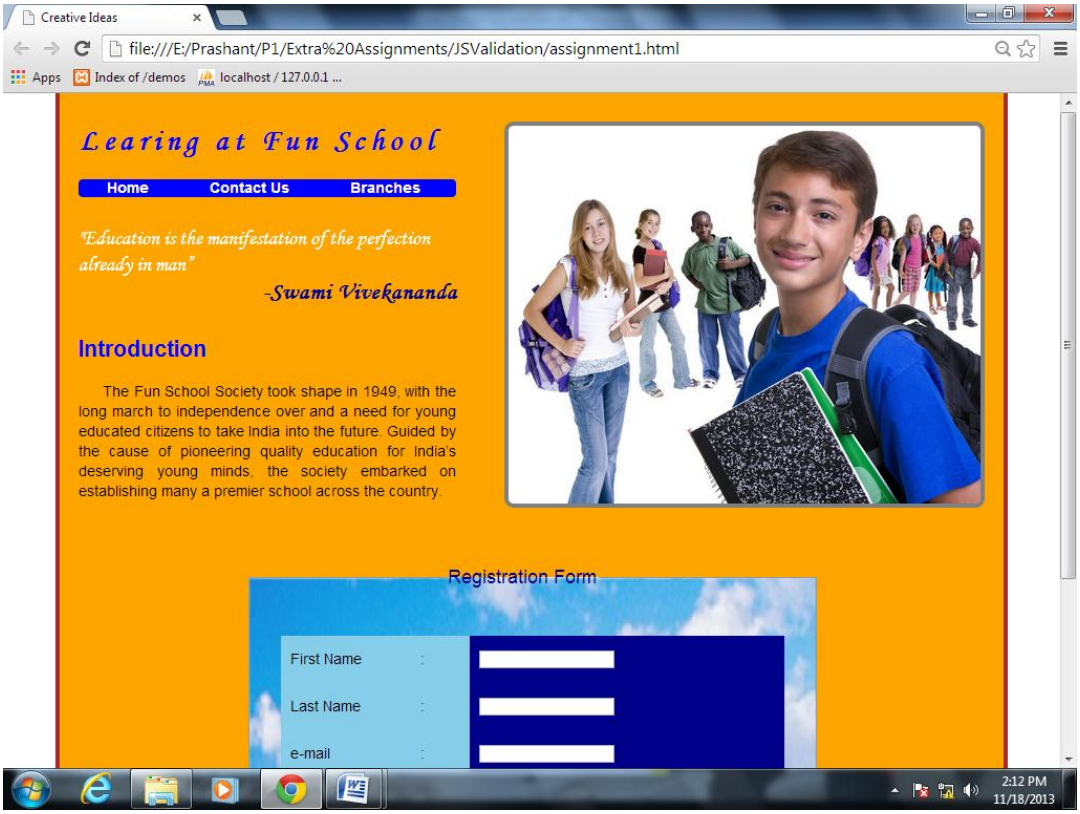
Then set same class name for first five elements and one more class name for rest all the elements and style both the classes using different CSS properties.

Then from second class name take second element and display it exactly at center (use *id* selector here).

Lab Exercise - 4

Create a web page for **SEED Infotech** and display,

1) Logo image at right side of a page
2) Some message text at left side of logo image, use CSS to style it
3) Below this display registration form exactly at center(Refer to the form in Chapter 1 -> Exercise 2)
4) Set two different class names for two columns of registration form respectively and then style both the classes by using all those CSS properties to make it attractive
5) Set background image for entire web page
6) Below is the sample look of a web page

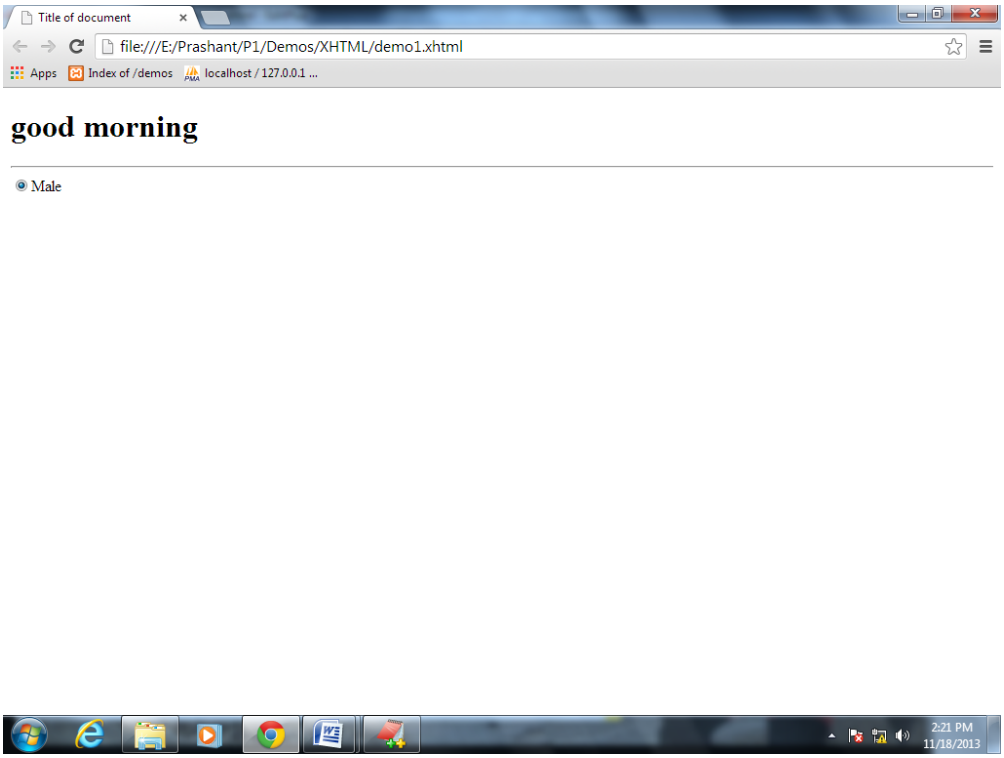

Creative Ideas
file:///E:/Prashant/P1/Extra%20Assignments/JSValidation/assignment1.html
Apps
Index of /demos
localhost / 127.0.0.1 ...
Learing at Fun School
Home
Contact Us
Branches
"Education is the manifestation of the perfection already in man"
-Swami Vivekananda
Introduction
The Fun School Society took shape in 1949, with the long march to independence over and a need for young educated citizens to take India into the future. Guided by the cause of pioneering quality education for India's deserving young minds, the society embarked on establishing many a premier school across the country.
Registration Form
First Name :
Last Name :
e-mail :
2:12 PM
11/18/2013

seed
Official Curriculum

Chapter 3 - XHTML

Lab Exercise - 1

Create a web page by using XHTML to display below one



Chapter 4 – Introduction to Scripting

Lab Exercise – 1

Write a script to do addition and subtraction of two numbers
Display addition in bold and subtraction in italic format.

Chapter 5 – Language Basics

Lab Exercise – 1

Write a script to:

1) Accept 3 numbers from user (use *prompt()*)
2) Do addition of these 3 numbers and calculate average of it.

Lab Exercise – 2

Write a script to:

1) Take confirmation from user
2) If he clicked “OK” then do addition of 2 numbers
3) If he clicked “Cancel” then display any message

Lab Exercise – 3

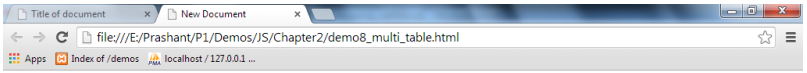
Write a script to check the user entered number is even or odd

Lab Exercise – 4

Write a script to display factorial of a user entered number

Lab Exercise – 5

Write a script to display multiplication table like,



1*1=1	2*1=2	3*1=3	4*1=4	5*1=5	6*1=6	7*1=7	8*1=8	9*1=9	10*1=10
1*2=2	2*2=4	3*2=6	4*2=8	5*2=10	6*2=12	7*2=14	8*2=16	9*2=18	10*2=20
1*3=3	2*3=6	3*3=9	4*3=12	5*3=15	6*3=18	7*3=21	8*3=24	9*3=27	10*3=30
1*4=4	2*4=8	3*4=12	4*4=16	5*4=20	6*4=24	7*4=28	8*4=32	9*4=36	10*4=40
1*5=5	2*5=10	3*5=15	4*5=20	5*5=25	6*5=30	7*5=35	8*5=40	9*5=45	10*5=50
1*6=6	2*6=12	3*6=18	4*6=24	5*6=30	6*6=36	7*6=42	8*6=48	9*6=54	10*6=60
1*7=7	2*7=14	3*7=21	4*7=28	5*7=35	6*7=42	7*7=49	8*7=56	9*7=63	10*7=70
1*8=8	2*8=16	3*8=24	4*8=32	5*8=40	6*8=48	7*8=56	8*8=64	9*8=72	10*8=80
1*9=9	2*9=18	3*9=27	4*9=36	5*9=45	6*9=54	7*9=63	8*9=72	9*9=81	10*9=90
1*10=10	2*10=20	3*10=30	4*10=40	5*10=50	6*10=60	7*10=70	8*10=80	9*10=90	10*10=100

Lab Exercise – 6

Write a script to display chess board

Lab Exercise – 7

Write a script to:

1) Accept any five numbers from user and store it in array
2) Display all the elements of an array
3) Find out maximum and minimum number from an array

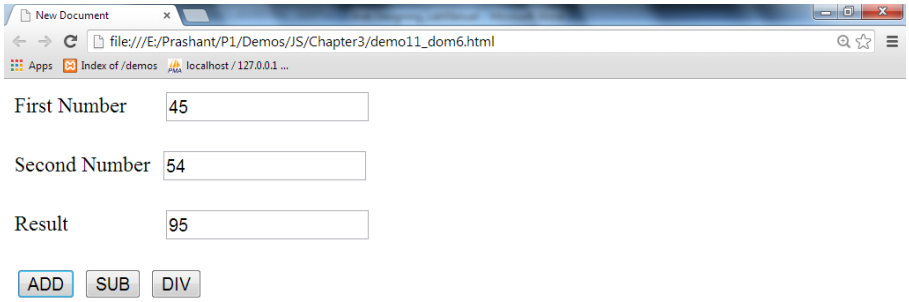
Chapter 6 – Event Handling and Client Side Validation

Lab Exercise – 1

1) Create two buttons on a web page
2) Then define two functions and call them with "*onclick*" event on those two buttons respectively

Lab Exercise – 2

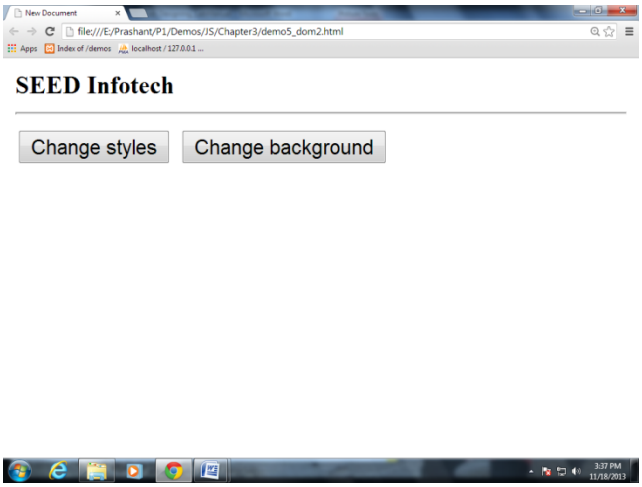
1) Create HTML interface like,



2) Then write a script to accept two values from above first two text-boxes (use functions to perform addition, subtraction, division of those 2 numbers)
3) And depending upon the operation display the desired result in third text box

Lab Exercise – 3

1) Create HTML interface like,



2) Then write script to change the style of above text dynamically if button 1 is clicked
3) And write script to change background color of web page dynamically if button 2 is clicked (if it is white then clicking on the button should change it to black and vice-versa)

Lab Exercise – 4

1) Create two text boxes on a web page
2) Define and call function to change style of a text box(make it highlighted than other second text box) when mouse cursor is placed in a text box (use '*onfocus*' event)
3) Define and call one more function to change style of a text box to its default style when mouse cursor is placed out of a text box (use '*onblur*' event)

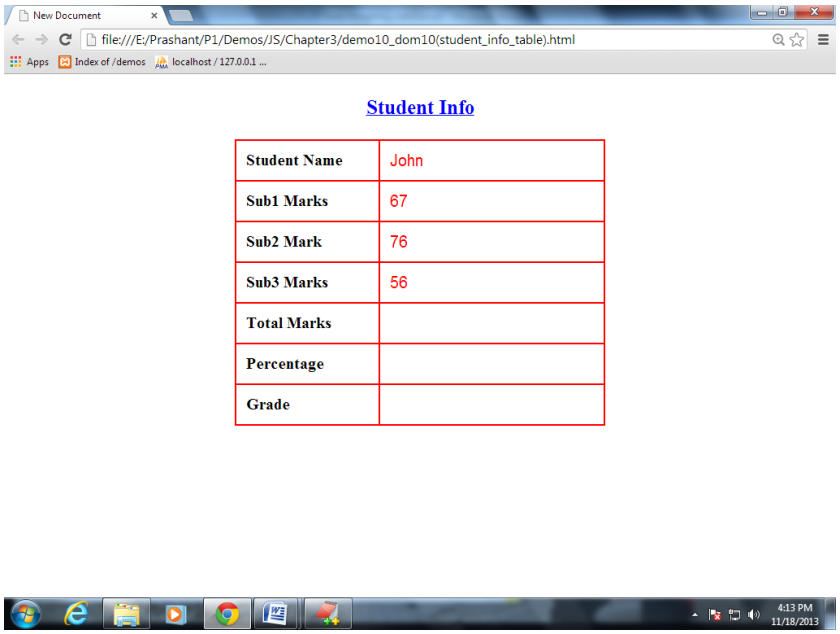
Lab Exercise – 5

Creating Image Gallery

1) Display some images (with height and width 100px) at the bottom of a web page
2) Create a empty block (or container) on top of it on the same page
3) If user is pointing to any image then it has to be displayed in that block which is created on top of these images
4) Make your web page more attractive (set gradient background foe a page)

Lab Exercise – 6

1) Write a script to accept student information from user like student name and marks obtained in 3 subjects
2) Write HTML code to create below table and then write script to display all these user entered values in 2nd column of a table like,



3) Then calculate and display total marks, percentage and grade of a student in second column of above table when it is clicked

Lab Exercise – 7

1) Create student registration form (Refer to the form in Chapter 1 -> Exercise 2)
2) Add some additional fields like password, confirm password, email into it
3) Define a function and validate the data that has been entered by user in form and call this function when user will click '*Submit*' button of this form.
4) After these, add one more column in the table and use it to display alert messages after validation, do this validation in such a way for each and every field when that element will lose its focus.

Chapter 7 – Core of HTML5

Lab Exercise – 1

Create a web page to show your personal information using new HTML5 tags like

1) Display header and footer for a page
2) Create your personal details and set caption or summary for the details and just show summary on a page (use *<details>* and *<summary>*)
3) Add one form field like enter your favorite car brand, now when user will enter value in a text box at that time list of all the options has to be displayed for that text box (use *<datalist>*)
4) After that display some articles on a web page one after another and highlight special keywords from articles (use *<article>* and *<mark>*).

Lab Exercise – 2

Create a demo form using new input types like *email, number, range, date, color, image*, etc and new attributes like *required, pattern, placeholder, autofocus, min, and max*.

Lab Exercise – 3

1) Display audio and video on a web page using HTML5 *<audio>, <video>, <source>* elements.
2) It must be played automatically and repeatedly

Lab Exercise – 4

1) Display video on a web page and play it automatically
2) Display pause, mute images below video
3) Write a script to pause and unmute video if it playing and muted and vice-versa. (Use JavaScript video properties and methods like *play(), pause(), muted*).

Chapter 9 – Core of CSS3

Lab Exercise – 1

Create a web page using below CSS3 properties

1) Create a block and display some contents inside it and set shadow for a box
2) After that display text message and set shadow for that text
3) Create one more block with contents and set border image to it
4) Create one more block with contents and set rounded corner border for this block
5) After that display any specific article in a columns like news-paper style

Chapter 10 – Animations, Transitions and Transforms

Lab Exercise – 1

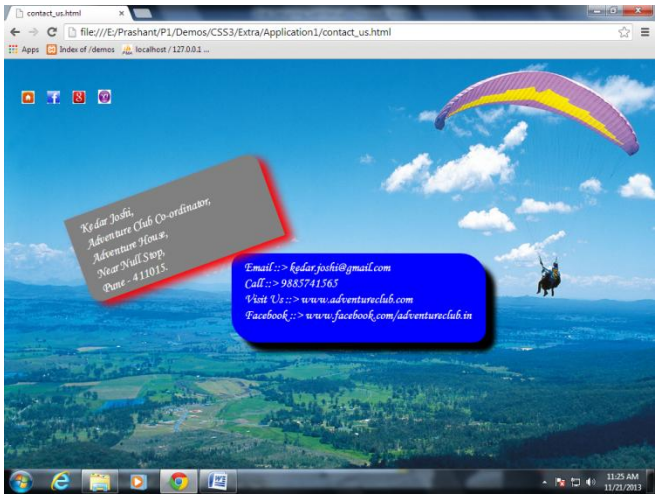
Display four images on a web page, first two of them rotate clockwise and rest two of them rotate anti-clockwise

Lab Exercise – 2

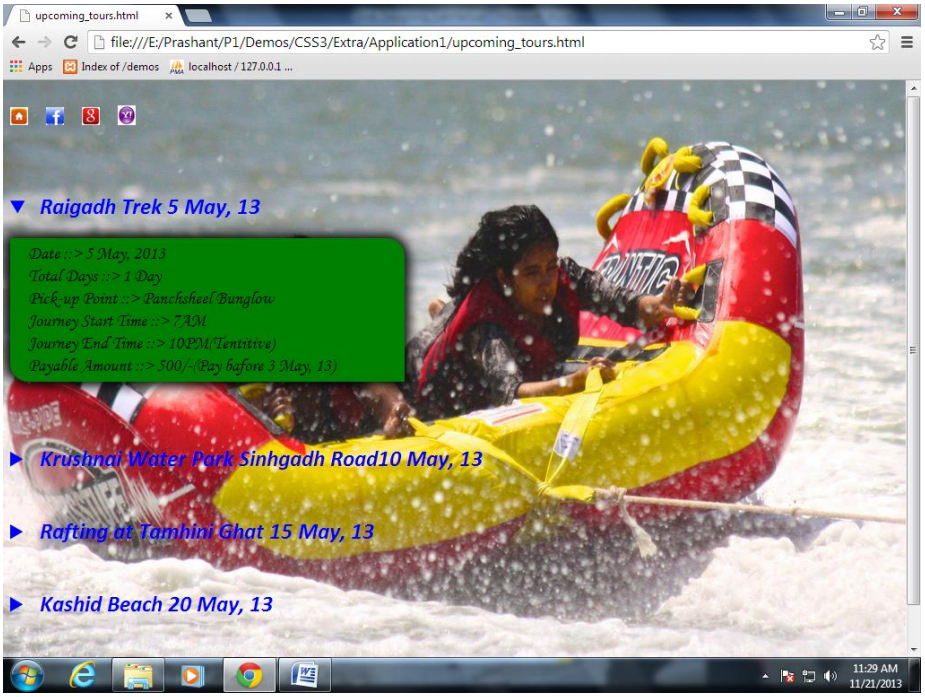
Create a demo site for ***'Adventure Club'*** using HTML5, CSS3 features

1) Create index page(first page) of the site, below are the instructions for creating it:
    a. To the left side of web page first display some text message or article about adventures and style it
    b. Below it create links to web-sites such as Google, face book, yahoo etc (use images to link to these web-sites)
    c. Below it create image gallery with two images which should change randomly
    d. Below it create links to '***Contact Us***' and '***Upcoming Tours'*** pages
    e. To the right side of web page display registration form including fields such as first name, last name, age (must be between 10-50), email, mobile no and style it
    f. Below it display some adventure video which should play automatically and repeatedly
    g. Below is the sample of the first page

2) Create contact us page(second page) of the site, below are the instructions for creating it:
    a. Set background image for whole page
    b. Create links to web-sites such as Google, face book, yahoo etc and to the index page (use images to link to these web-sites)
    c. Create first block using * * tag and display contact person name along with club address
    d. Create second block and display contact details such as mobile, email, website address etc of contact person
    e. Below is the sample of the first page



3) Create upcoming tours page(third page) of the site, below are the instructions for creating it:
    a. Set background image for whole page
    b. Create links to web-sites such as Google, face book, yahoo etc and to the index page (use images to link to these web-sites)
    c. Create some upcoming tours details and set caption for each detail and just show summary on a page (use <*details*> and <*summary*>)
    d. Below is the sample of the first page



Chapter 11 – Core jQuery

Lab Exercise – 1

Create a HTML page as below (use of hide, show, and toggle effects)

1) Add a * * tag with some text in it
2) Add three buttons
3) Following action should occur when the click event occurs
    a. When button 1 is clicked, the tag should be ***hidden***
    b. When button 2 is clicked, the tag should be ***shown***
    c. When button 3 is clicked, the tag should cause a ***toggle*** effect

Lab Exercise – 2

Create a HTML page as below (use of fade effects)

1) Create a block using * * tag (set 100px height-width and background color to it)
2) Add four buttons
3) Following action should occur when the click event occurs
    a. When button 1 is clicked, the tag should be fade-out completely
    b. When button 2 is clicked, the tag should be fade-in completely
    c. When button 3 is clicked, the tag should cause a ***toggle*** effect
    d. When button 4 is clicked, the tag should be fade up to certain range

Lab Exercise – 3

Create a HTML page as below (use of slide-up and side-down effects)

1) Create a block using * * tag and display some contents in it(set 150px height, complete width and background color to it)
2) Below this block exactly at center create a button
3) Following action should occur when the click event occurs
    a. When button is clicked, the * * should be slide-up or slide-down

Lab Exercise – 4

Create a HTML page as below (use of *next()*, *prev(), siblings(), eq()* methods)

Note – don't set id or class for any HTML element

1) Display four text lines on a page using *<h2>, <p>, <h2>,<p>* tag respectively
2) Display four buttons
3) Following action should occur when the click event occurs
    a. When button 1 is clicked, previous element of first paragraph should be toggle
    b. When button 2 is clicked, next element of first paragraph should be toggle
    c. When button 3 is clicked, all sibling elements of first paragraph should be toggle
    d. When button 4 is clicked, only *<h2>* siblings of first paragraph should be toggle

Lab Exercise – 5

1) Display a block with contents in it on a web page
2) Then create two buttons
3) Then write script when button 1 is clicked, then entire block should be removed and when button 2 is clicked, then only block contents should be removed and after completing the specific action alert message has to be display on a page (for example, if it is removed completely, then you can display message '***It has been removed completely***')

Lab Exercise – 6

Create a HTML page as below

1) Create four text boxes and one paragraph with labels Sub1 Marks, Sub2 Marks, Sub3 Marks, Total Marks and Percentage respectively (fourth text box should be read-only)
2) Below this create two buttons

3) Following action should occur when the click event occurs

a. Define a user defined function to get all the values from first three text boxes and calculate total of them and display it in fourth text box and it will be called when button 1 is clicked
b. Define one more user defined function to get the total marks from first function and then calculate percentage of it and display it in paragraph(which is the fifth element displayed after fourth text box)

Lab Exercise – 7

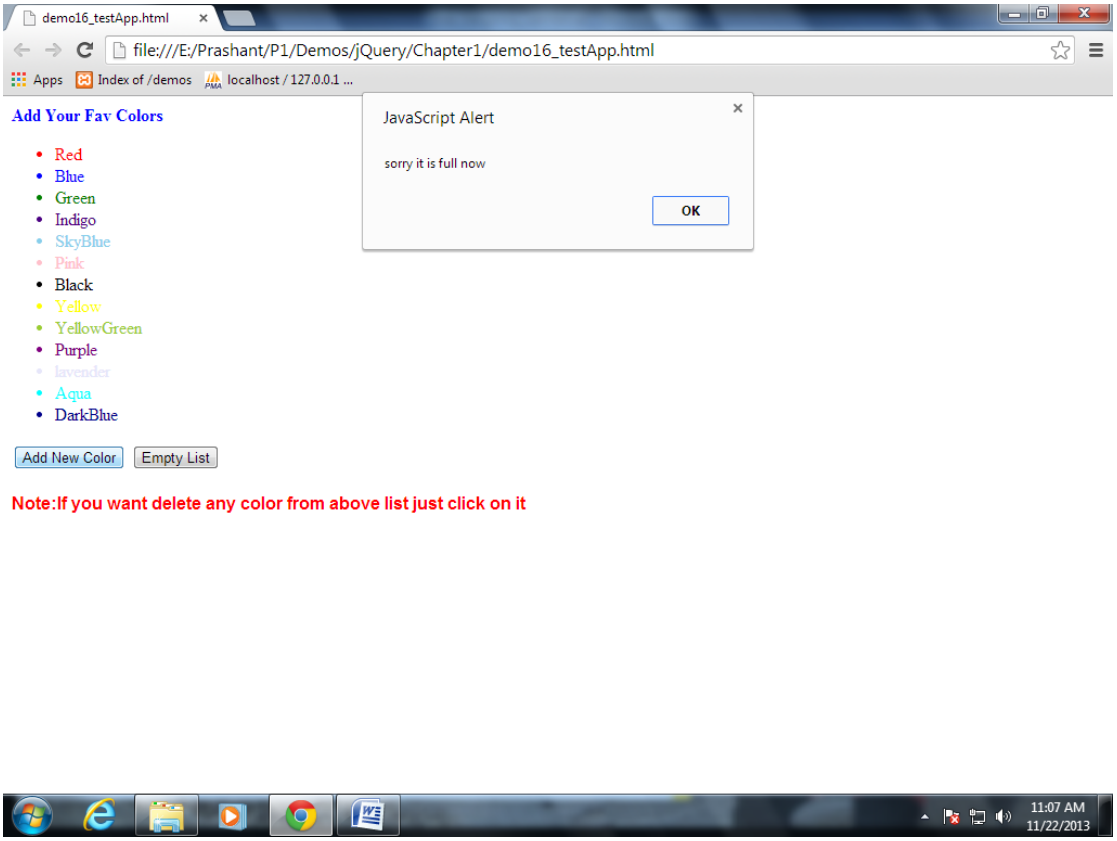
Create a HTML page as below

1) Create a form including fields such as first name, last name, email, password, confirm password, submit
2) Do client-side validation for all the fields

Lab Exercise – 8

Dynamically crating list of colors

1) Create an empty unordered list
2) Create two buttons
3) Following action should occur when the click event occurs
    a. When button 1 is clicked, color name should be added into list, after displaying all the color names those are declared in array if user click the button 1 then message should be displayed, '***It is full now!!***' (Color names should be displayed in that color itself on a page)
    b. When button 2 is clicked, then all the options from list should be cleared
    c. If user double clicks any of the color name from the list then it must be removed from a list
4) Below is the sample of a page



Lab Exercise – 9

Create an image gallery of '***7 Wonders***'

1) Create table with 9 rows and 2 columns
    a. In first row display text message '***7 new wonders of the world***' and it should move within a row from left-right and vice-versa
    b. Then merge first column from second row to eighth row and display some image of ***first wonder***(***let's consider it is Taj-Mahal***)
    c. Then in second column from second row to eighth row display the names of all the wonders of the world
    d. Then in last row merge both the columns and display some details about that specific wonder
2) Then make it dynamic such as image and details must be changed when user is pointing mouse cursor to the second column where name of the wonders are displayed
3) Additionally set background color or image to the page

4) Below is the sample of a page

Lab Exercise – 10

Create animations

1) Create an small object(circle) on a page
2) Then write a script to make it interesting game such as when user points mouse cursor to the object then it should move very fast to the right side every time by 20px margin
3) Below it create four objects (squares with 100px height and width) and then create one button
4) Then write a script to make it animated such as when button is clicked then all those squares should be rotated clockwise and then anti-clockwise and along with change their positions as well

Chapter 11 – jQuery UI

Lab Exercise – 1

Refer to the Chapter 10 -> Lab Exercise 1 and use effects such as *bounce*, *slide*, *explode*, *size*, *clip* to hide, show and toggle the box

Lab Exercise – 2

Create a list of colors or fruits and make it movable such as list of options can be sort by user on a page and any of the option from a list is double clicked then it must be removed from it (use *sortable()* method)

Lab Exercise – 3

Create demo online shopping cart (use drag-drop functionality)

1) Create a page and display list of products (wallet, watch, jacket, glasses etc) at the left side of a page
2) Right side of a page display shopping cart block
3) List of products must be drag gable
4) When list of product is dragged, then that option must be displayed in a shopping cart bock and if it is double clicked from shopping cart block then it must be removed from it

seed
Official Curriculum

Lab Exercise – 4

Create demo page for ‘Rangers Infotech’ using jQuery, HTML5, CSS3 features

Below is the sample of a page

1) Create three horizontal partitions of a page
2) In first horizontal partition:
    i. Display text message, search bar and logo image
3) In second horizontal partition:
    i. Display navigations or menu list, by default hide list of options they should appear on a page when user is pointing mouse cursor to the list

4) In third horizontal partition:
    i. Left side display banner and it should change randomly (use 4 different banner images)
    ii. Below display three tabs IT – Software, IT – IMS, IT – ERP
    iii. Right side display enquiry form
    iv. Below it create a table and display links for quickly accessing important pages of a site (use demo pages here)