

## COLLEGE OF ENGINEERING, CHENGANNUR

### 20MCA133-WEB PROGRAMMING LAB

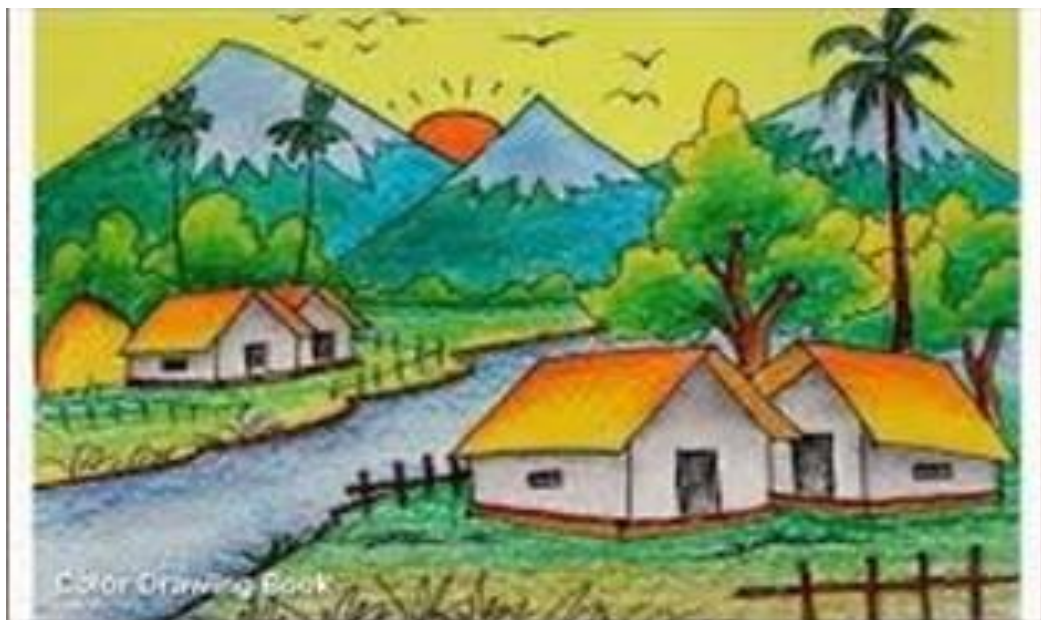
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#### LAB CYCLE 1

1. Create a static webpage for your college with the following information:
  - a. Name of college (First level heading, text align = center, color = blue, use styleattribute).
  - b. Add vision and mission of the college as scrolling text (color = green).
  - c. About us (Second level heading, background-color = red, color = white, use styleattribute)
    - i. Insert an image of your college.  
(Align image in center, width = 1000px, height = 300px)
    - ii. Add a brief description about your college.  
(Justified paragraph)

- d. Courses Offered (Second level heading, background-color = red, color = white, use style attribute)
  - i. Add a brief description about courses offered. (Justified paragraph)  
Add course details (Use HTML table)
  - iii. Contact us. (Second level heading, background-color = red, color = white)  
Address for Communication (Third level heading, color = blue)  
Address of the college  
Add Link to official website of the college.
- 2. Create an attractive webpage showing the images and description of at least three festivals in India. Set width and height of the images as 500px and 700px respectively. When an image of a festival is clicked, user must redirect to another webpage showing details of that festival. The new webpage should be opened in another tab.
- 3. Using HTML Iframes create a webpage with two frames. one frame contains list of items as hyperlinks- Fruits, Vegetables, Flowers and Trees. When an item is selected, details and image of the selected item should be displayed on right frame.
- 4. Create a web page with the following using HTML5
  - a) Embed the following image in a webpage.



- b) Make Sun(circle), Hut(rectangle) and Trees(polygon) as clickable areas or hot spots.
- c) Show all the related information when these hot spots are clicked.

5. Create the following Student Registration Form.

STUDENT REGISTRATION FORM				
FIRST NAME	<input type="text" value=""/> (max 30 characters)			
LAST NAME	<input type="text" value=""/> (max 30 characters)			
DATE OF BIRTH	Day: <input type="text" value=""/> Month: <input type="text" value=""/> Year: <input type="text" value=""/>			
EMAIL ID	<input type="text" value=""/>			
MOBILE NUMBER	<input type="text" value=""/> (10 digit number)			
GENDER	Male <input type="radio"/> Female <input type="radio"/>			
ADDRESS	<input type="text" value=""/>			
CITY	<input type="text" value=""/> (max 30 characters)			
PIN CODE	<input type="text" value=""/> (6 digit number)			
STATE	<input type="text" value=""/> (max 30 characters)			
COUNTRY	<input type="text" value="India"/>			
HOBBIES	Drawing <input type="checkbox"/> Singing <input type="checkbox"/> Dancing <input type="checkbox"/> Sketching <input type="checkbox"/> Others <input type="checkbox"/> <input type="text" value=""/>			
QUALIFICATION	Sl.No. Examination 1 Class X 2 Class XII 3 Graduation 4 Masters	Board <input type="text" value=""/> <input type="text" value=""/> <input type="text" value=""/> <input type="text" value=""/> (10 char max)	Percentage <input type="text" value=""/> <input type="text" value=""/> <input type="text" value=""/> <input type="text" value=""/> (upto 2 decimal)	Year of Passing <input type="text" value=""/> <input type="text" value=""/> <input type="text" value=""/> <input type="text" value=""/>
COURSES APPLIED FOR	MCA <input type="radio"/> M.Tech <input type="radio"/> M.Sc <input type="radio"/> Ph.D <input type="radio"/>			
TYPE YOUR PASSWORD	<input type="text" value=""/> (max 30 characters)			
UPLOAD YOUR PHOTO	<input type="button" value="Choose File"/> No file chosen			
DATE OF TC	<input type="text" value="mm/dd/yyyy"/> <input type="button" value=""/>			
<input type="button" value="Submit"/> <input type="button" value="Reset"/>				

## LAB CYCLE 2

6. Using Internal style sheets, create a web page showing your biodata, with the following styles:
  - a. Put your Name in <h1> tag, center aligned.
  - b. Add following via <h2> tags, Personal Details, Educational Details, Hobbies. Put the respective contents below, in list format.
  - c. Add contact details at the bottom including mail id and mobile number. Style all <h1> tags as red colored and center aligned and all <h2> tags as white colored with background color blue.
  - d. Display <p> elements with a border f. Change the background color of the page to yellow.
7. Using External Style Sheets, create a web page with following styles:
  - a. Create different paragraphs defining different selectors in CSS. Each paragraph should be defined with appropriate labels for making styles of each selector.

- b. Style each selector with unique font color, and background color.
8. Create a stripped table using CSS.
- a. Use Id attribute of the table as CSS Selector.
  - b. Table header must have 20px top and bottom padding, left text align, white text color, background color as #b22222, 1px solid grey color top, bottom, left and right borders.
  - c. Each table data/cell must have 8px padding on four sides.
  - d. Each table data/cell must have 1px solid grey color top, bottom, left and right borders.
  - e. Table borders should be collapsed into a single border.
  - f. Table width should be 100% of the document body and use sans-serif font family.
  - g. Highlight table rows on mouse over by setting 'burlywood' background color.
  - h. Add background-color #f2f2f2 to all even table rows.
9. Create a webpage with a center aligned Image using CSS.
- [Hint] To center the image in the document body, use display and margin CSS properties.
10. Create a fixed full size side navigation bar using CSS.
- a. Create a div tag with class name 'sidenav' and hyperlinks - About us, Departments, Vision and Mission and Contact us.
  - b. Create a div with class name 'main' and h1 tag for heading 'side bar example'.
  - c. CSS for anchor tag
    - ✓ Set as Block element.
    - ✓ Text decoration none
    - ✓ Top, right, bottom, left padding 6px, 8px, 6px and 16px respectively.
    - ✓ Text color white.
  - d. CSS for side nav div tag
    - ✓ Height stretches full document height. - Width 160px, Padding top 20px.
    - ✓ Background color green.
    - ✓ Use position, top, left properties to create a fixed full size side navigation bar on top left corner.
    - ✓ Highlight menus on mouse over by setting 'red' Text color.
  - e. CSS for main div tag
    - ✓ Left margin should be same as the width of the sidenav div..

- ✓ Top and bottom paddings are 0px
- ✓ Right and left paddings are 10px
- ✓ Set 2000px as height. 12

### **LAB CYCLE 3**

11. Develop a web application using JavaScript to change the background color of the webpage when the following events of the button "change background color" occur.
  - a. Double click-background color changed to green.
  - b. Single click-background color changed to red.
12. Create a web application using JavaScript to turn on/off the given light bulb when the On and Off buttons respectively are clicked. Hint: change the 'src' attribute of the image tag when clicking buttons.
13. Create a form that has Name, Mobile and email inputs. A submit button should validate these three fields properly.

### **LAB CYCLE 4**

14. Write a PHP program to check whether the given number is odd or even.  
[Hint: Number should be read using Textbox, Use GET Method]
15. Write a PHP program to print the factorial of a number  
[Hint: use for loop, Number should be read using Textbox, Use POST Method]
16. Develop a PHP web application for reading details of a student such as Name, Email Id, Address, Gender, Date of Birth etc and display details when submit button is pressed.  
[Use \$\_REQUEST variable: The \$\_REQUEST variable is a super global variable, which can hold the content of both \$\_GET and \$\_POST variable.]
17. Using PHP and MySQL, develop a program to accept book information such as book\_no (primary key), title, edition and publisher from a web page and store the information in a table named 'book\_details'. Also display the details of all books using a HTML Table.
18. Create a Login form using PHP. The user is first served a login page which takes username and password. After submitting the details, the server checks these values against the data from a database and takes the following decisions:

- a. If username and password matches, user must be redirected to a welcome page displaying a welcome message for user. [Use Session variable]
- b. username matches and password doesn't match then display the message "Incorrect Password".
- c. If password matches and username doesn't match then display the message "Incorrect username".