

## Lab Report 1- Chapter 1 (HTML and CSS)

### Lab Report Format:

#### Instructions:

- Create your new repository on GitHub and push your lab solution to GitHub with new branch for each lab set.
- Share your repository to [instructor.basanta@gmail.com](mailto:instructor.basanta@gmail.com) as a collaborator.
- Print and attach your updated GitHub screenshot into lab set

#### Format

- Cover (Print)
- **GitHub Screenshot**
- Lab Question –hand written
- Introduction –hand written
- Syntax and Format –hand written (Includes tags, attributes and css properties in details)
- Code –hand written
- Output(Print)- With full URL- Your name must be shown into URL or into Github URL.

Please complete following lab task and prepare lab report accordingly.

1. Design 5 page layout using any of **mockup** tools (Figma, Balsamiq, Canva).
2. Create Basic **HTML page structure for both HTML 4 and HTML 5**.
3. Create an HTML home page with navigation links (About Us, Services, Gallery, and Contact Us), each linking to separate content sections or pages. Use appropriate HTML tags (<a>, <section>, <div>, etc.) to structure the layout, ensuring each section includes relevant information (e.g., descriptions for "About Us," service details for "Services," images for "Gallery," and a form for "Contact Us"). Implement basic styling using CSS for better presentation and ensure the page is responsive on mobile devices. Test and validate the HTML to ensure proper functionality of the links and content display.
4. Write HTML code to display following lists

<b>Style disc</b> <ul style="list-style-type: none"> <li>• Friday</li> <li>• Monday</li> <li>• Saturday</li> <li>• Wednesday</li> </ul>	<b>Style square</b> <ul style="list-style-type: none"> <li>▪ Friday</li> <li>▪ Monday</li> <li>▪ Saturday</li> <li>▪ Wednesday</li> </ul>	<b>Style circle</b> <ul style="list-style-type: none"> <li>◦ Friday</li> <li>◦ Monday</li> <li>◦ Saturday</li> <li>◦ Wednesday</li> </ul>
<b>Style decimal</b> <ol style="list-style-type: none"> <li>1. Friday</li> <li>2. Monday</li> <li>3. Saturday</li> <li>4. Wednesday</li> </ol>	<b>Style decimal zero</b> <ol style="list-style-type: none"> <li>01. Friday</li> <li>02. Monday</li> <li>03. Saturday</li> <li>04. Wednesday</li> </ol>	<b>Style lower-alpha</b> <ol style="list-style-type: none"> <li>a. Friday</li> <li>b. Monday</li> <li>c. Saturday</li> <li>d. Wednesday</li> </ol>

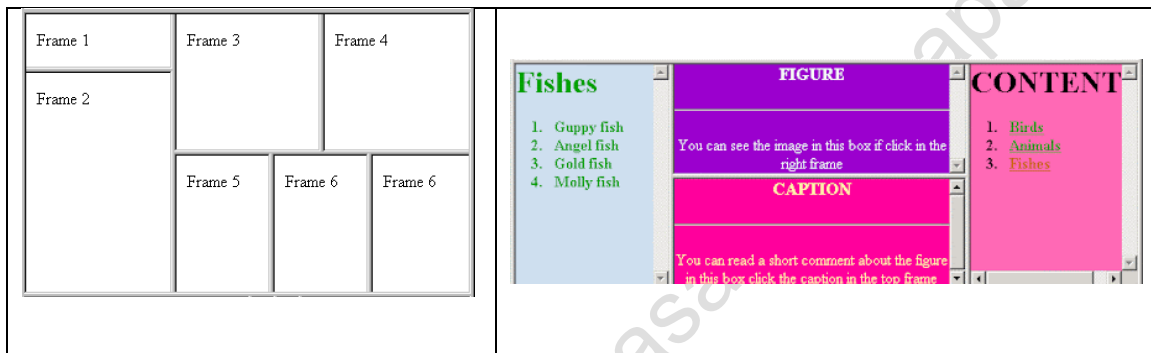
5. Write HTML code to create a webpage, which display following nested lists

<h3>Nested Unordered List</h3> <p>GeeksforGeeks courses list:</p> <ul style="list-style-type: none"> <li>• DSA <ul style="list-style-type: none"> <li>◦ Array</li> <li>◦ Linked List</li> <li>◦ Stack</li> <li>◦ Queue</li> </ul> </li> <li>• Web Technologies <ul style="list-style-type: none"> <li>◦ HTML</li> <li>◦ CSS</li> <li>◦ JavaScript</li> </ul> </li> <li>• Aptitude</li> <li>• Gate</li> <li>• Placement</li> </ul>	<h3>Learning Web Development</h3> <ol style="list-style-type: none"> <li>I. Background Skills <ol style="list-style-type: none"> <li>A. Unix Commands</li> <li>B. Vim Text Editor</li> </ol> </li> <li>II. HTML <ol style="list-style-type: none"> <li>A. Minimal Page</li> <li>B. Headings</li> <li>C. Tags</li> <li>D. Lists <ol style="list-style-type: none"> <li>I. Unordered</li> <li>II. Ordered</li> <li>III. Definition</li> <li>IV. Nested</li> </ol> </li> <li>E. Links <ol style="list-style-type: none"> <li>I. Absolute</li> <li>II. Relative</li> </ol> </li> <li>F. Images</li> </ol> </li> <li>III. CSS <ol style="list-style-type: none"> <li>A. Anatomy</li> <li>B. Basic Selectors <ol style="list-style-type: none"> <li>I. Element</li> <li>II. Class</li> <li>III. ID</li> <li>IV. Group</li> </ol> </li> <li>C. The DOM</li> <li>D. Advanced Selectors</li> <li>E. Box Model</li> </ol> </li> <li>IV. Programming <ol style="list-style-type: none"> <li>A. Python</li> <li>B. JavaScript</li> </ol> </li> <li>V. Database <ol style="list-style-type: none"> <li>A. Flat File</li> <li>B. Relational</li> </ol> </li> </ol>
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6. Write HTML code to display **text formatting tags** like (**b, strong, I, em, q, blockquote, del, ins, font, pre, code, tt, html entities, sub, sup**).
7. Write HTML & CSS to **display list** faculties (Management, Science, Humanities) and program within those faculties available into TU.
8. Write HTML code demonstrate **Image map with rectangle, circle and polygon shape**.
9. Write HTML code to display your **class routine into web page using table** with various table attributes.
10. Write HTML and CSS code to display following table

Time Table					
Hours	Mon	Tue	Wed	Thu	Fri
	Math	Science	Math	Science	Arts
	Math	Science	Math	Science	Arts
	Lunch				
	Math	Science	Math	Project	
	Math	Science	Math		

11. Write HTML code to display following output using **frameset**.

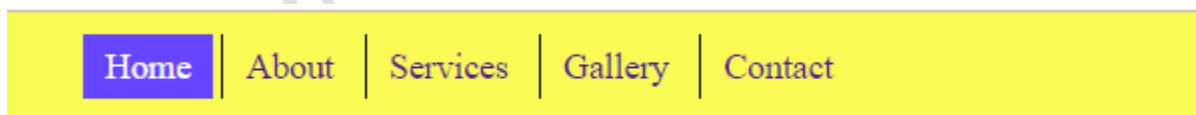


12. What is **CSS**? Write code to demonstrate **types of CSS**.

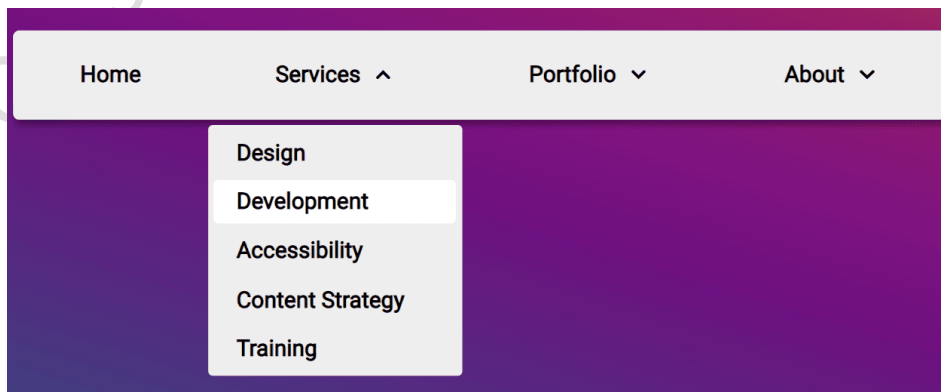
13. Write HTML code to **display image gallery** using HTML and CSS.

14. Write HTML and CSS code to **display your CV** into webpage.

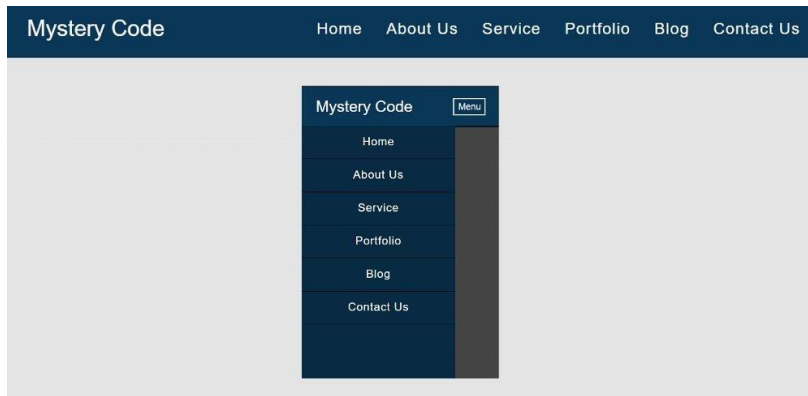
15. Write HTML and CSS code to display following menu/navbar.



16. Write HTML and CSS program to display dropdown menu.



17. Write HTML and CSS code to display following responsive menu.



18. Write HTML and CSS code to display following **form**.

## Registration Form

Personal Details

Name	<input type="text" value="Enter Name"/>
Address	<input type="text"/>
Phone	<input type="text"/>
Gender	<input type="radio"/> Male <input type="radio"/> Female
Country	<input type="text" value="Select Country"/>
Message	<input type="text"/>
Image	<input type="button" value="Choose File"/> No file chosen
<input type="checkbox"/> I Accept Term & Condition	
<input type="button" value="Register"/> <input type="button" value="Clear"/>	

19. Write HTML and CSS code to display following login and registration form.

## REGISTRATION / LOGIN FORM

### Register Form :

Username

Email

Please enter a valid email address

Password

Minimum of 6 characters

Confirm password

☐ Female ☐ Male

☐ I have read and accept terms of use.

SUBMIT

### Login form :

Enter Your Email

Password

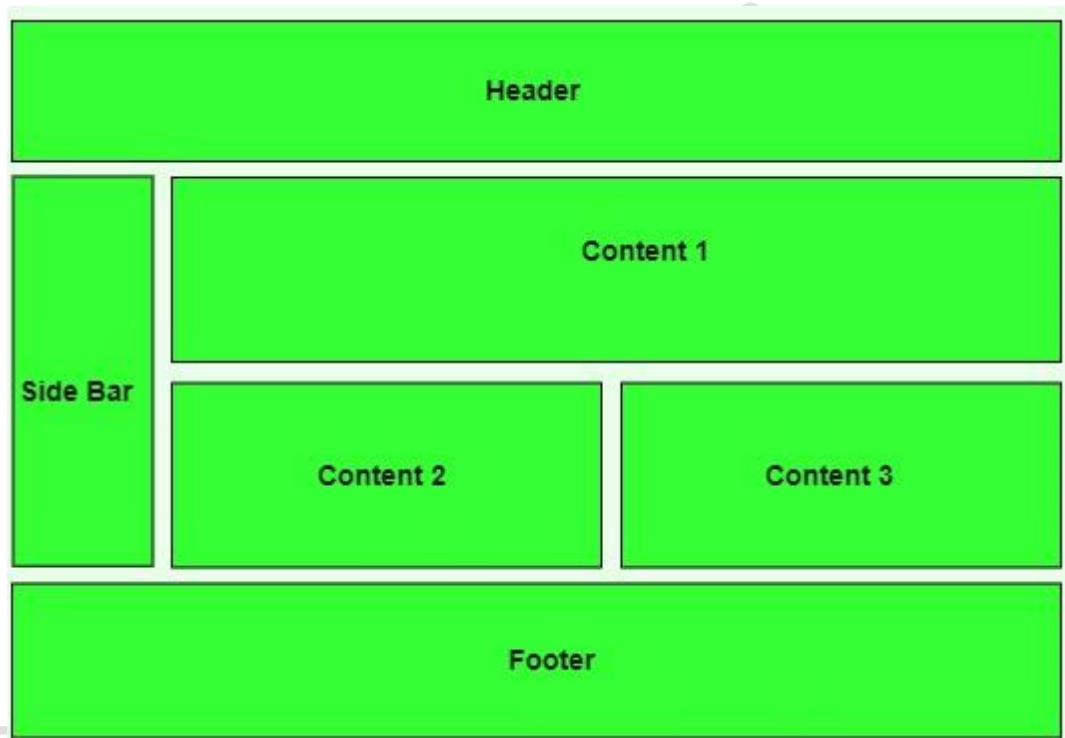
☐ Remember me

LOGIN

20. Design following layout using HTML and CSS (**div based design**)



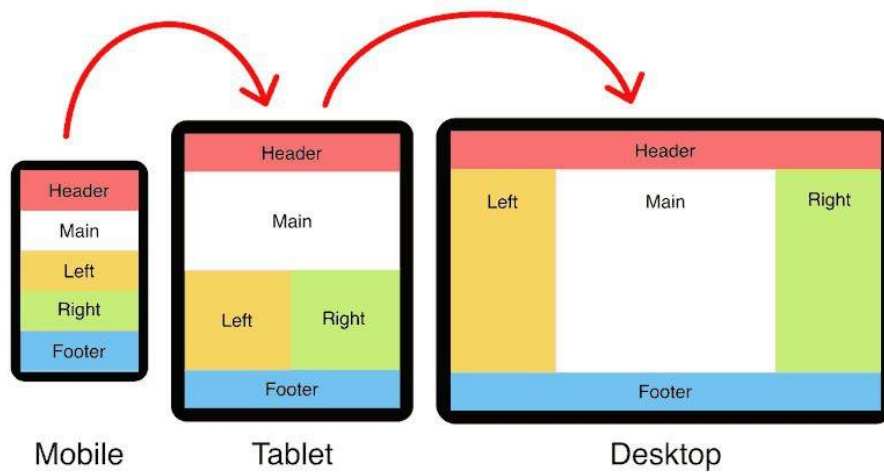
Layout 1



Layout 2

21. Write HTML & CSS code to create user registration form for lok sewa aayog.

22. Write HTML and CSS code to display following responsive layout.

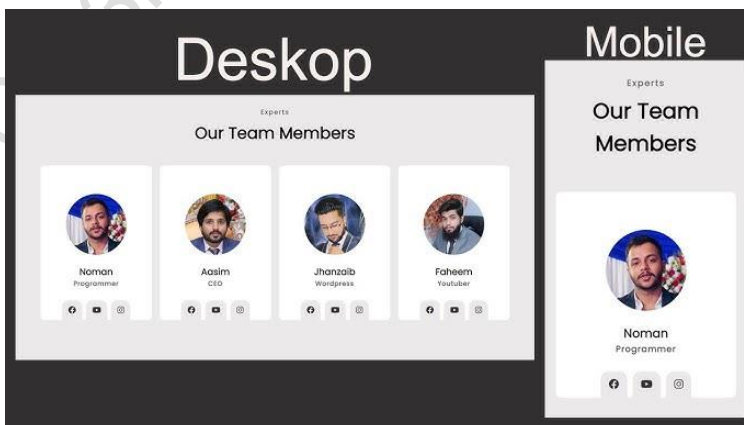


23. Write HTML & CSS code to display your 2<sup>nd</sup> semester grade sheet .

24. Write HTML and CSS code to display following image overlay example (Show second design when user hover mouse on first image)



25. Write HTML and CSS code to design following card layout for team list



**For each question, please follow the following format**

[illegible]

**For each questions, please follow the following format**



**Introduction:**

HTML: HTML is .....

**Tags & Attribute:**

<html> :

<body>

<head>

<title>

<h1>

**Code:**

HTML (filename.html)

CSS(filename.css)

**Output-printed**