

LAB-2

รูปตอนทำงาน



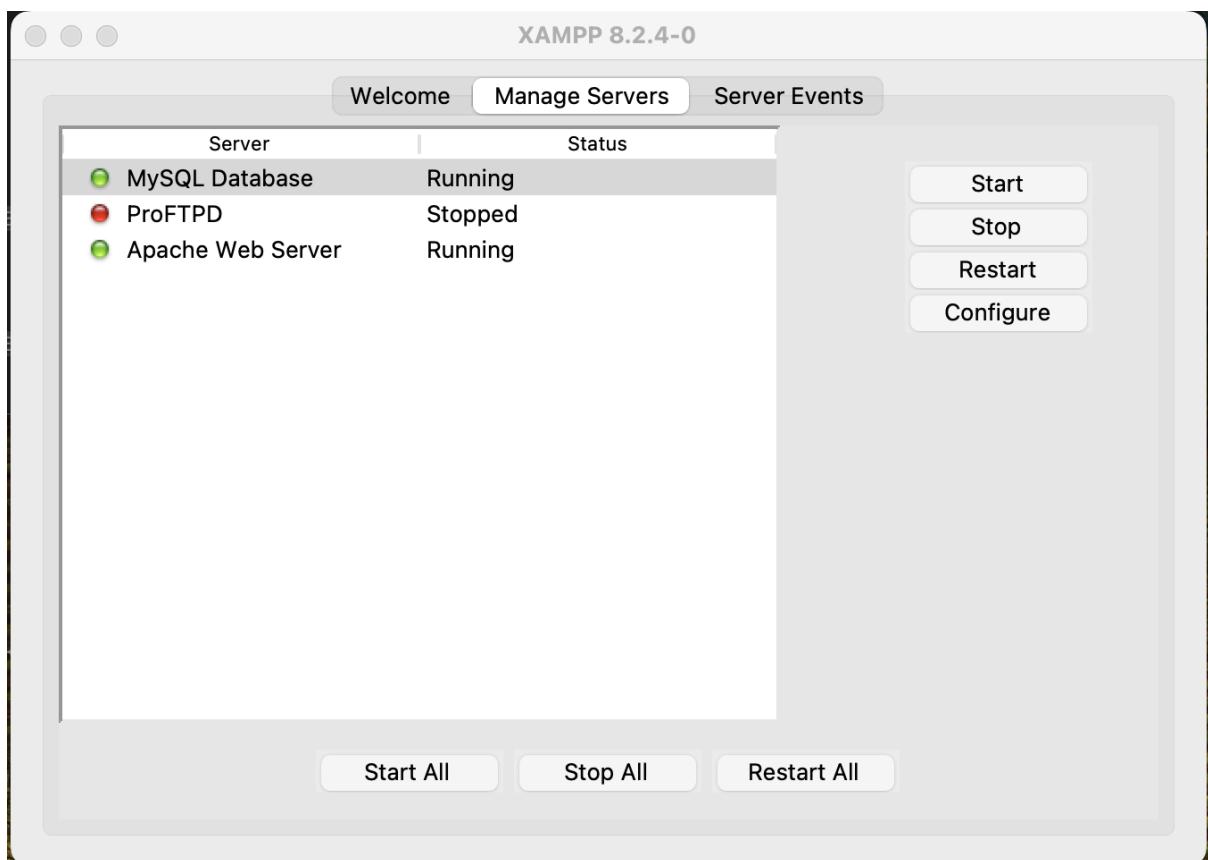
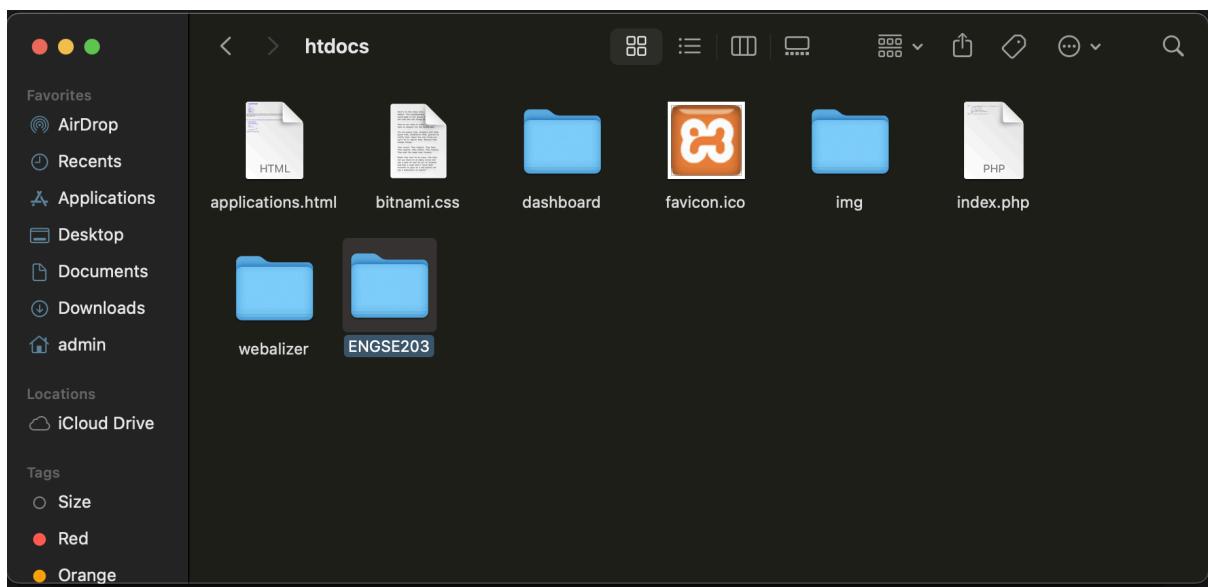
Lab Exercise1

- สร้าง Lab-2 และเขียน web server (XAMPP)

A screenshot of a code editor window. On the left is the Explorer sidebar showing a project structure under 'ENGSE203'. The main area shows an 'index.html' file with the following content:

```
<!DOCTYPE html>
<html>
  <head>
    <title>Lab2</title>
  </head>
  <body>
    <h1 align="center">Hello world</h1>
  </body>
</html>
```

นำไฟล์มาไว้ใน htdocs ของ XAMPP



Output



Lab Exercise2

A screenshot of a code editor window. The title bar says "Lab2 > Exercise2 > index.html". The code editor displays the following HTML and CSS code:

```
1 <html>
2   <head>
3     <title>MGM'S J.N.E.C., Aurangabad</title>
4   </head>
5   <body text="#660000" bgcolor="#FAF3F0" background="..Jellyfish.jpg">
6     Illustration of body tag with its properties
7     <!-- This is a comment -->
8     <pre>      This text uses pre tag and preserves nextline and spaces </pre>
9     <p>
10       This text doesn't use pre tag so doesn't preserves nextline and spaces..
11       everything will be printed in the same line.
12     </p>
13     <font face="arial" size="6" color="#E4555F">
14       WELCOME- Exercise 2
15     </font>
16     <h1 align="center">This is h1 tag text with center aligned</h1>
17     <h2 align="left">This is h2 tag text with left aligned</h2>
18     <h3 align="right">This is h3 tag text with right aligned</h3>
19     <h4 align="center">This is h4 tag text without alignment</h4>
20     <h5 align="center">This is h5 tag Text with alignment</h5>
21     <h6 align="center">This is h6 tag text without alignment</h6>
22     <center>
23       <h1 align="center">To illustrate text formatting tags</h1>
24       <hr color="red" />
25     <p>
26       <marquee behavior="scroll" direction="right">
27         This is 66543210006-3 ນາຍຈິກກັດ ພູໄກທາ</marquee>
28       >
29     <style>
30       table {
31         font-family: arial, sans-serif;
32         border-collapse: collapse;
33         width: 100%;
34       }
35     
```

The code includes various HTML tags like `<html>`, `<head>`, `<title>`, `<body>`, `<pre>`, `<p>`, ``, `<h1>`, `<h2>`, `<h3>`, `<h4>`, `<h5>`, `<h6>`, `<center>`, `<hr>`, `<marquee>`, and `<style>`. It also demonstrates different text alignment properties like `align="center"`, `align="left"`, `align="right"`, and `align="center"` for `<h1>` through `<h6>`.

```

index.html .../Exercise1 index.html .../Exercise2 index.html .../Exercise3 index.html .../Exercise4 index.html .../Exercise5
Lab2 > Exercise2 > index.html > @html > @body > @center > @p > @tr > @th
36     td, th {
37         border: 1px solid #dddddd;
38         text-align: left;
39         padding: 8px;
40     }
41
42     tr:nth-child(even) {
43         background-color: #eeeeee;
44     }
45
46     </style>
47
48     <table style="width: 100%;">
49         <tr>
50             <th>user1</th>
51             <th>user2</th>
52             <th>user3</th>
53         </tr>
54         <tr>
55             <th>devuser1</th>
56             <th>devuser2</th>
57             <th>devuser3</th>
58         </tr>
59         <tr>
60             <th>com1</th>
61             <th>com2</th>
62             <th>com3</th>
63         </tr>
64         <tr>
65             <th>book1</th>
66             <th>book2</th>
67             <th>book3</th>
68         </tr>
69         <tr>
70             <th>l1</th>
71             <th>l2</th>

```

Ln 66, Col 23 Spaces: 2 UTF-8 LF HTML ⚡ Go Live ⚡ Prettier

```

index.html .../Exercise1 index.html .../Exercise2 index.html .../Exercise3 index.html .../Exercise4 index.html .../Exercise5
Lab2 > Exercise2 > index.html > @html > @body > @center > @p > @tr > @th
79     <th>o1</th>
80     <th>o2</th>
81     <th>o3</th>
82     </tr>
83     <tr>
84         <th>m1</th>
85         <th>m2</th>
86         <th>m3</th>
87     </tr>
88     </center>
89 </body>
90 </html>

```

Output

Illustration of body tag with its properties																													
<small>This text uses pre tag and preserves newline and spaces</small>																													
<small>This text doesn't use pre tag so doesn't preserves newline and spaces.. everything will be printed in the same line</small>																													
WELCOME- Exercise 2																													
This is h1 tag text with center aligned																													
This is h2 tag text with left aligned																													
This is h4 tag text without alignment																													
This is h5 tag Text wit out alignment																													
This is h6 tag text without alignment																													
To illustrate text formatting tags																													
<table border="1" style="width: 100%; border-collapse: collapse;"> <tr> <td colspan="3" style="text-align: center;">This is 65543210006-3 ນາຍົກລົງທິພະໄຕ ວິໄລວັດ</td></tr> <tr> <td style="background-color: #cccccc;">user1</td><td style="background-color: #cccccc;">user2</td><td style="background-color: #cccccc;">user3</td></tr> <tr> <td style="background-color: #cccccc;">devuser1</td><td style="background-color: #cccccc;">devuser2</td><td style="background-color: #cccccc;">devuser3</td></tr> <tr> <td style="background-color: #cccccc;">com1</td><td style="background-color: #cccccc;">com2</td><td style="background-color: #cccccc;">com3</td></tr> <tr> <td style="background-color: #cccccc;">book1</td><td style="background-color: #cccccc;">book2</td><td style="background-color: #cccccc;">book3</td></tr> <tr> <td style="background-color: #cccccc;">l1</td><td style="background-color: #cccccc;">l2</td><td style="background-color: #cccccc;">l3</td></tr> <tr> <td style="background-color: #cccccc;">a1</td><td style="background-color: #cccccc;">a2</td><td style="background-color: #cccccc;">a3</td></tr> <tr> <td style="background-color: #cccccc;">o1</td><td style="background-color: #cccccc;">o2</td><td style="background-color: #cccccc;">o3</td></tr> <tr> <td style="background-color: #cccccc;">m1</td><td style="background-color: #cccccc;">m2</td><td style="background-color: #cccccc;">m3</td></tr> </table>			This is 65543210006-3 ນາຍົກລົງທິພະໄຕ ວິໄລວັດ			user1	user2	user3	devuser1	devuser2	devuser3	com1	com2	com3	book1	book2	book3	l1	l2	l3	a1	a2	a3	o1	o2	o3	m1	m2	m3
This is 65543210006-3 ນາຍົກລົງທິພະໄຕ ວິໄລວັດ																													
user1	user2	user3																											
devuser1	devuser2	devuser3																											
com1	com2	com3																											
book1	book2	book3																											
l1	l2	l3																											
a1	a2	a3																											
o1	o2	o3																											
m1	m2	m3																											

Lab Exercise3

```
Lab2 > Exercise3 > index.html
1  <!DOCTYPE html>
2  <html lang="en">
3    <head>
4      <meta charset="utf-8" />
5      <meta name="viewport" content="width=device-width, initial-scale=1" />
6      <title>Bootstrap demo</title>
7      <link
8        href="https://cdn.jsdelivr.net/npm/bootstrap@5.3.2/dist/css/bootstrap.min.css"
9        rel="stylesheet"
10       integrity="sha384-T3c6CoIi6uLrA9TneNEoa7RxnatzjcDSCmG1MXxSR1GAsXEV/Dwwykc2MPK8M2HN"
11       crossorigin="anonymous"
12     />
13   </head>
14   <body>
15     <div class="container">
16       <div class="row">
17         <div class="col-6">
18           <h3 align="left" style="color: red">
19             To illustrate ORDER ,UNORDER and NESTED list tags
20           </h3>
21           <h5>Order List</h5>
22           <h4>Numbered Fruits list:</h4>
23           <ol>
24             <li>Apples</li>
25             <li>Bananas</li>
26             <li>Lemons</li>
27           </ol>
28           <h4>Uppercase Letters Vegetable list:</h4>
29           <ol type="A">
30             <li>Brinjals</li>
31             <li>Carrots</li>
32             <li>Cabbage</li>
33           </ol>
34           <h4>Roman numbers Shopping list:</h4>
35           <ol type="I">
```

```
Lab2 > Exercise3 > index.html
36           <li>T Shirt</li>
37           <li>Jeans</li>
38           <li>Sandle</li>
39         </ol>
40         <h5>Unorder List</h5>
41         <h4>Square bullets list:</h4>
42         <ul type="square">
43           <li>Brinjals</li>
44           <li>Carrots</li>
45           <li>Cabbage</li>
46         </ul>
47       </div>
48       <div class="col-6">
49         <h4>Disc bullets list:</h4>
50         <ul type="disc">
51           <li>T Shirt</li>
52           <li>Jeans</li>
53           <li>Sandle</li>
54         </ul>
55         <h4>An ordered nested List :</h4>
56         <ol>
57           <li>Coffee</li>
58           <li>Tea</li>
59           <ol type="a" start="4">
60             <li>Black tea</li>
61             <li>Green tea</li>
62             <li value="1">Ice tea</li>
63             <ol type="i">
64               <li>China</li>
65               <li>Africa</li>
66             </ol>
67           </ol>
68           <li>Milk</li>
69         </ol>
70         <h4>A Definition List:</h4>
```

```

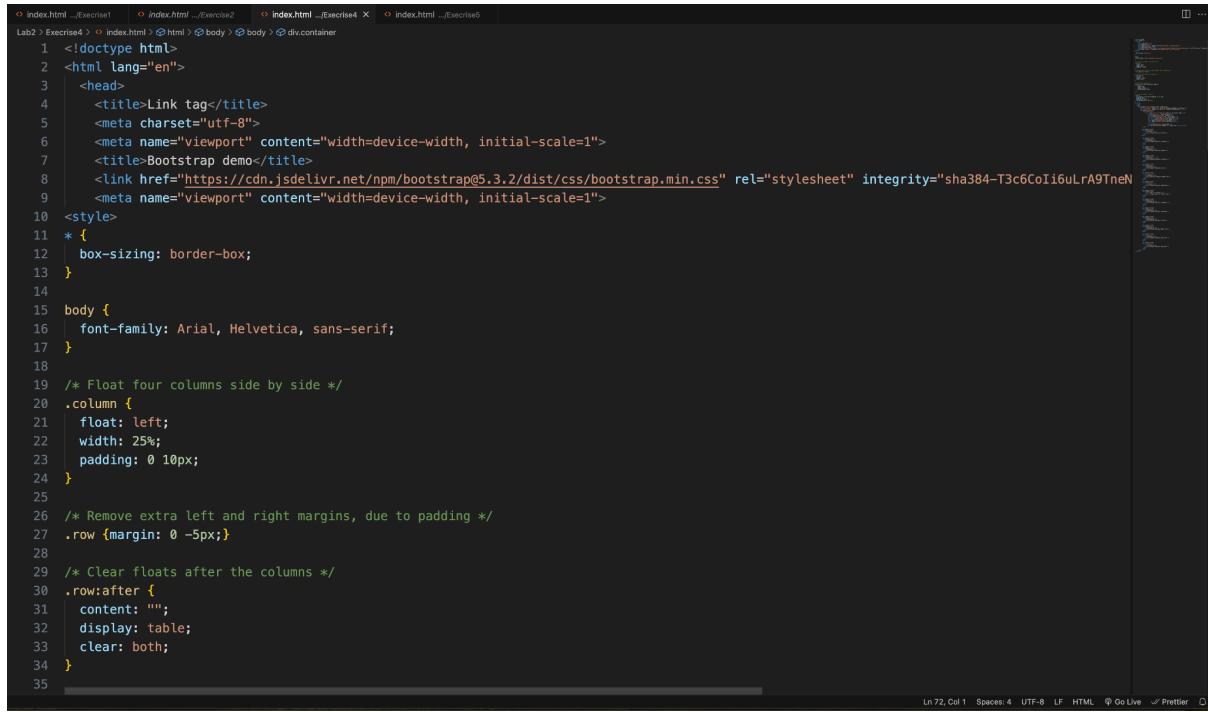
Lab2 > Exercise3 > index.html > html > body > div.container > div.row > div.col-6
71 |     <dl>
72 |         <dt>Bangalore</dt>
73 |         <dd>-Capital City of Karnataka</dd>
74 |         <dt>Mumbai</dt>
75 |         <dd>-Capital city of Maharashtra</dd>
76 |     </dl>
77 | </div>
78 | </div>
79 | </div>
80
81 <script
82 |     src="https://cdn.jsdelivr.net/npm/bootstrap@5.3.2/dist/js/bootstrap.bundle.min.js"
83 |     integrity="sha384-C6RzsynM9kWDrMNeT87bh950GNyZPhcTNXj1Nw7RuBCsyN/o0jlpcV8Qyq46cDfL"
84 |     crossorigin="anonymous"
85 | ></script>
86 </body>
87 </html>

```

Output

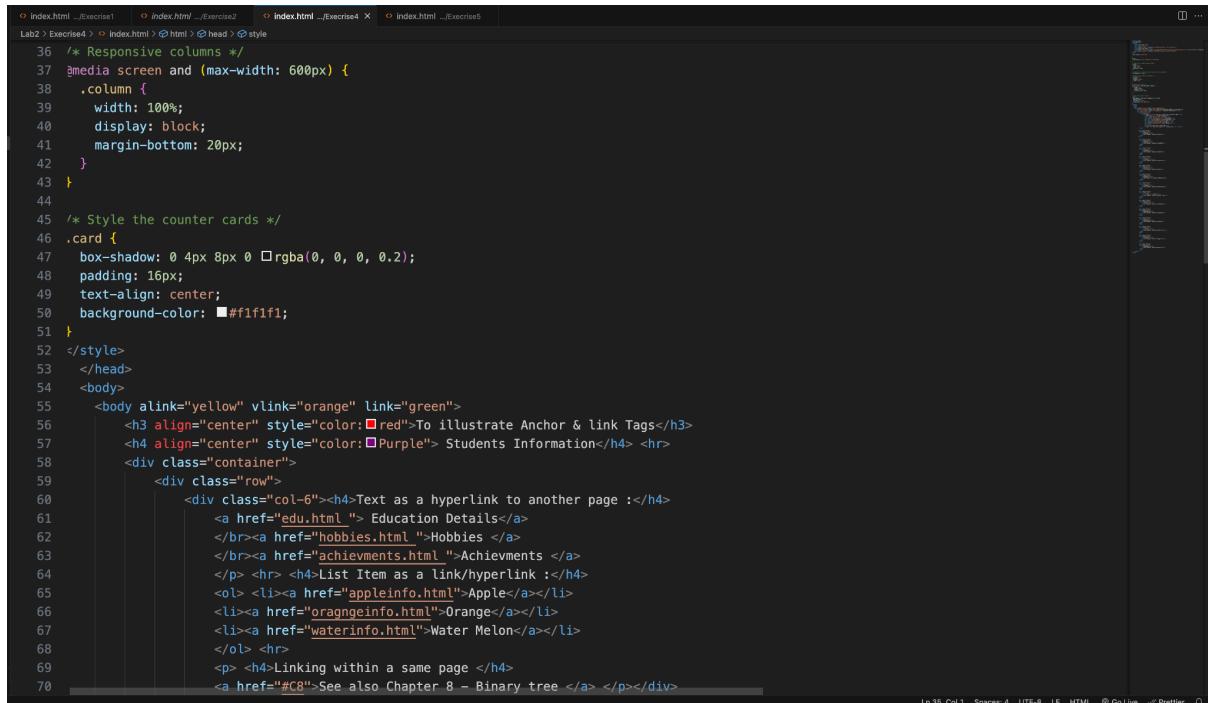
<p>To illustrate ORDER,UNORDER and NESTED list tags</p> <p>Order List</p> <p>Numbered Fruits list:</p> <ul style="list-style-type: none"> 1. Apples 2. Bananas 3. Lemons <p>Uppercase Letters Vegetable list:</p> <ul style="list-style-type: none"> A. Brinjals B. Carrots C. Cabbage <p>Roman numbers Shopping list:</p> <ul style="list-style-type: none"> I. T Shirt II. Jeans III. Sandal <p>Unorder List</p> <p>Square bullets list:</p> <ul style="list-style-type: none"> • Brinjals • Carrots • Cabbage 	<p>Disc bullets list:</p> <ul style="list-style-type: none"> • T Shirt • Jeans • Sandal <p>An ordered nested List :</p> <ul style="list-style-type: none"> 1. Coffee 2. Tea <ul style="list-style-type: none"> d. Black tea e. Green tea a. Ice tea i. China ii. Africa 3. Milk <p>A Definition List:</p> <p>Bangalore -Capital City of Karnataka</p> <p>Mumbai -Capital city of Maharashtra</p>
---	---

Lab Exercise4



```
1 <!DOCTYPE html>
2 <html lang="en">
3   <head>
4     <title>Link tag</title>
5     <meta charset="utf-8">
6     <meta name="viewport" content="width=device-width, initial-scale=1">
7     <title>Bootstrap demo</title>
8     <link href="https://cdn.jsdelivr.net/npm/bootstrap@5.3.2/dist/css/bootstrap.min.css" rel="stylesheet" integrity="sha384-T3c6CoIi6ULrA9TneN" type="text/css">
9     <meta name="viewport" content="width=device-width, initial-scale=1">
10    <style>
11      * {
12        box-sizing: border-box;
13      }
14
15    body {
16      font-family: Arial, Helvetica, sans-serif;
17    }
18
19    /* Float four columns side by side */
20    .column {
21      float: left;
22      width: 25%;
23      padding: 0 10px;
24    }
25
26    /* Remove extra left and right margins, due to padding */
27    .row {margin: 0 -5px;}
28
29    /* Clear floats after the columns */
30    .row::after {
31      content: "";
32      display: table;
33      clear: both;
34    }
35
```

Ln 72, Col 1 Spaces: 4 UTF-8 LF HTML ⚡ Go Live ✨ Prettier



```
36  /* Responsive columns */
37  @media screen and (max-width: 600px) {
38    .column {
39      width: 100%;
40      display: block;
41      margin-bottom: 20px;
42    }
43  }
44
45  /* Style the counter cards */
46  .card {
47    box-shadow: 0 4px 8px 0 rgba(0, 0, 0, 0.2);
48    padding: 16px;
49    text-align: center;
50    background-color: #f1f1f1;
51  }
52  </style>
53  </head>
54  <body>
55    <body align="yellow" vlink="orange" link="green">
56      <h3 align="center" style="color:red">To illustrate Anchor & link Tags</h3>
57      <h4 align="center" style="color:purple"> Students Information</h4> <hr>
58      <div class="container">
59        <div class="row">
60          <div class="col-6"><h4>Text as a hyperlink to another page :</h4>
61            <a href="edu.html "> Education Details</a>
62            <br><a href="hobbies.html ">Hobbies </a>
63            <br><a href="achievements.html ">Achievements </a>
64            <p> <hr> <h4>List Item as a link/hyperlink :</h4>
65            <ol> <li><a href="appleinfo.html">Apple</a></li>
66            <li><a href="orangeinfo.html">Orange</a></li>
67            <li><a href="waterinfo.html">Water Melon</a></li>
68            </ol> <hr>
69            <p> <h4>Linking within a same page </h4>
70            <a href="#C8">See also Chapter 8 - Binary tree </a> </p></div>
```

Ln 35, Col 1 Spaces: 4 UTF-8 LF HTML ⚡ Go Live ✨ Prettier

```
Lab2 > Exercise4 > index.html > html > body > div.container > div.row > div.col-6 > p
71      </div>
72
73      <div class="column">
74          <div class="card">
75              <h2>Chapter 1</h2>
76              <p>This chapter explains Pointers</p>
77          </div>
78      </div>
79
80      <div class="column">
81          <div class="card">
82              <h2>Chapter 2</h2>
83              <p>This chapter explains variables</p>
84          </div>
85      </div>
86
87      <div class="column">
88          <div class="card">
89              <h2>Chapter 3</h2>
90              <p>This chapter explains operator</p>
91          </div>
92      </div>
93
94      <div class="column">
95          <div class="card">
96              <h2>Chapter 4</a></h2>
97              <p>This chapter explains structure</p>
98          </div>
99      </div>
100
101      <div class="column">
102          <div class="card">
103              <h2>Chapter 5</h2>
104              <p>This chapter explains arrays</p>
105      </div>
```

```
Lab2 > Exercise4 > index.html > html > body > div.container > div.column > div.card
106      </div>
107
108      <div class="column">
109          <div class="card">
110              <h2>Chapter 6</h2>
111              <p>This chapter explains linked list</p>
112          </div>
113      </div>
114
115      <div class="column">
116          <div class="card">
117              <h2>Chapter 7</h2>
118              <p>This chapter explains expressions</p>
119          </div>
120      </div>
121
122      <div class="column">
123          <div class="card">
124              <h2><a name="C8">Chapter 8</h2>
125              <p>This chapter explains Binary Trees</p>
126          </div>
127      </div>
128
129      <div class="column">
130          <div class="card">
131              <h2>Chapter 10</h2>
132              <p>This chapter explains Statements</p>
133          </div>
134      </div>
135
136      <div class="column">
137          <div class="card">
138              <h2>Chapter 11</h2>
139              <p>This chapter explains searching</p>
140      </div>
```

```

Lab2 > Exercise4 > index.html
141   </div>
142
143   <div class="column">
144     <div class="card">
145       <h2>Chapter 12</h2>
146       <p>This chapter explains sorting</p>
147     </div>
148   </div>
149
150   <div class="column">
151     <div class="card">
152       <h2>Chapter 13</h2>
153       <p>This chapter explains Binary sort</p>
154     </div>
155   </div>
156
157   <div class="column">
158     <div class="card">
159       <h2>Chapter 14</h2>
160       <p>This chapter explains merge sort</p>
161     </div>
162   </div>
163
164   <div class="column">
165     <div class="card">
166       <h2>Chapter 15</h2>
167       <p>This chapter explains heap sort</p>
168     </div>
169   </div>
170 </body>
171 </html>

```

Output

The screenshot shows a web browser window with the URL `localhost:engrse203/Lab2/Exercise4/#C8`. The page title is "To illustrate Anchor & link Tags". Below the title, there is a section titled "Students Information".

Under "Students Information", there is a heading "Text as a hyperlink to another page :". Below it, there is a list of three items: "Education Details", "Hobbies", and "Achievements", each represented by a blue link.

Below this, there is a heading "List Item as a link/hyperlink :". Underneath, there is a numbered list: "1. Apple", "2. Orange", and "3. Water Melon", where each item is a blue link.

At the bottom of the page, there is a heading "Linking within a same page" followed by the text "See also Chapter 8 - Binary Tree".

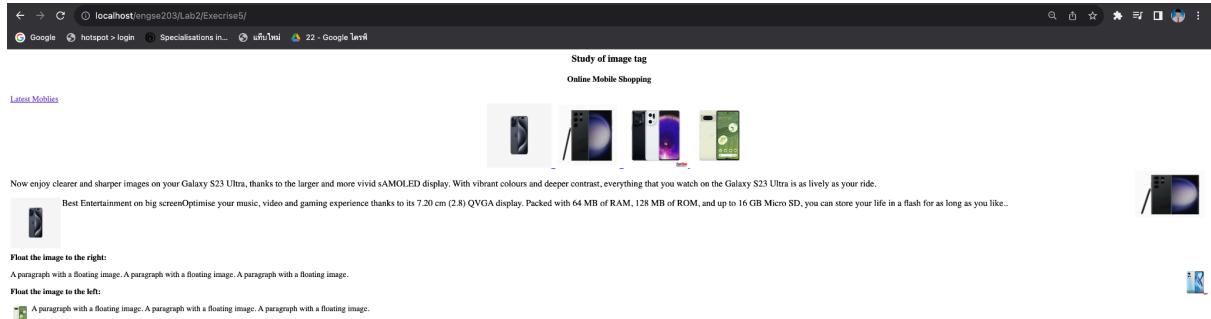
The main content area contains a grid of 15 cards, each representing a chapter:

- Chapter 1**: This chapter explains Pointers
- Chapter 2**: This chapter explains variables
- Chapter 3**: This chapter explains operator
- Chapter 4**: This chapter explains structure
- Chapter 5**: This chapter explains arrays
- Chapter 6**: This chapter explains linked list
- Chapter 7**: This chapter explains expressions
- Chapter 8**: This chapter explains Binary Trees
- Chapter 10**: This chapter explains Statements
- Chapter 11**: This chapter explains searching
- Chapter 12**: This chapter explains sorting
- Chapter 13**: This chapter explains Binary sort
- Chapter 14**: This chapter explains merge sort
- Chapter 15**: This chapter explains heap sort

Lab Exercise5

```
Lab2 > Exercise5 > index.html > html > body > p
1  <html> <body>
2    <center><h3> Study of image tag</h3>
3    <h4> Online Mobile Shopping</h4></center>
4    <font color="#6633CC"><u>Latest Moblies</u></font>
5    <marquee> <a href="http://www.samsung.com/in/home/">
6       &nbsp;
8        &nbsp;&nbsp;</a></marquee>
10     
11     <p style="font-size:18px"> Now enjoy clearer and sharper images on your Galaxy S23 Ultra, thanks
12       to the larger and more vivid sAMOLED display. With vibrant colours and deeper contrast,
13       everything that you watch on the Galaxy S23 Ultra is as lively as your ride.</p>
14     
15     <p style="font-size:18px"> Best Entertainment on big screenOptimise your music, video and
16       gaming experience thanks to its 7.20 cm (2.8) QVGA display. Packed with 64 MB of RAM, 128 MB
17       of ROM, and up to 256 GB Micro SD, you can store your life in a flash for as long as you
18       like..</p><br><br></body>
19     <p><strong>Float the image to the right:</strong></p>
20     <p> 
21     A paragraph with a floating image. A paragraph with a floating image. A paragraph with a floating
22     image.
23     </p> <p><strong>Float the image to the left:</strong></p>
24     <p> 
25     A paragraph with a floating image. A paragraph with a floating image. A paragraph with a floating
26     image.
27     </p> </body>
28   </html>
```

Output



Lab Exercise6

index.html

```
Lab2 > Exercise6 > index.html > HTML
1  <html> <head>
2    <frameset rows="25,*" >
3      <frame src="Topframe & Leftframe & Rightframe/Topframe.html" name="f1" scrolling="no" frameborder="1" bordercolor="#330033" >
4      <frameset cols="20%,*" >
5        <frame src="Topframe & Leftframe & Rightframe/leftframe.html" name="f2" scrolling="no" frameborder="no" >
6        <frame src="Topframe & Leftframe & Rightframe/RightFrame.html" name="f3" scrolling="no" frameborder="no" >
7      </frameset>
8    </frameset><noframes></noframes>
9  </head> </html>
```

Topframe.html

```
Lab2 > Exercise6 > Topframe & Leftframe & Rightframe > Topframe.html > HTML
1  <html> <body>
2  <p> </p>
3  <h1 align="center">Online Book Store</h1> <br> <p>
4  <h2>&nbsp;&nbsp;&nbsp;&nbsp;
5  <a href="homepage.html" target="_parent">Home</a>
6  &nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;
7  <a href="login.html" target="f3">login</a>
8  &nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;
9  <a href="registration.html" target="f3">Registration</a>
10 &nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;
11 <a href="catalogue.html" target="f3">Catalogue</a>
12 &nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;
13 <a href="cart.html" target="f3">Cart</a>&nbsp; </h2> </p>
14 </body> </html>
```

Leftframe.html

```
Lab2 > Exercise6 > Topframe & Leftframe & Rightframe > leftframe.html > ...
1  <html>
2  <body>
3    <a href="cse.html" target="f3"><h3>CSE</h3></a><br /><br /><br />
4    <a href="ece.html" target="f3"><h3>ECE</h3></a><br /><br /><br />
5    <a href="eee.html" target="f3"><h3>EEE</h3></a><br /><br /><br />
6    <a href="civil.html" target="f3"><h3>Civil</h3></a>
7  </body>
8 </html>
9
```

Rightframe.html

```
Lab2 > Exercise6 > Topframe & Leftframe & Rightframe > RightFrame.html > html > body > h3 > font
1  <html>
2  <body bgcolor="pink">
3  <p></p>
4  <h2 align="center">
5  <font face="Georgia, Times New Roman, Times, serif" color="green">
6  | >Online Book Store Information</font>
7  |
8  </h2>
9  <h3>
10 <font face="monotypecorsiva" color="#660000">
11 | >This is the online book store developed by students of JNEC. <br />It
12 | contains book catalogue of various branches like
13 | <ul>
14 | | <li>CSE</li>
15 | | <li>ECT</li>
16 | | <li>CIVIL</li>
17 | | <li>EEE</li>
18 | </ul></font>
19 |
20 </h3>
21 </body>
22 </html>
23
```

Output

The screenshot shows a web application titled "Online Book Store". At the top left is a user profile picture. To the right of the title are navigation links: Home, login, Registration, Catalogue, and Cart. The main content area has a pink background. On the left side, there are four categories listed vertically: CSE, ECE, EEE, and Civil. Each category has a small blue link next to it. The center of the page displays the text: "This is the online book store developed by students of JNEC. It contains book catalogue of various branches like" followed by a bulleted list: CSE, ECT, CIVIL, and EEE.

Lab Exercise 7

```
Lab2 > Exercise7 > index.html > html > body > center > h3
1  <html><body>
2    <h3 align="left" style="color:red">To illustrate Table tags</h3>
3    <center><h3>
4      MGM's JNEC Aurangabad<br>
5      DEPARTMENT OF MASTER OF COMPUTER APPLICATION<br> 2022
6    </h3></center>
7    <table border="2" width="75%" cellspacing="2" cellpadding="15" align="center">
8      <caption align="left">Class: SYMCA Hall.No:FF49</caption></h3>
9
10   <tr>
11     <th>Periods</th>
12     <th rowspan="2">8.30-9.20</th> <th rowspan="2">9.20-10.10</th>
13     <th rowspan="2">10.20-11.10</th> <th rowspan="2">11.10-12.00</th>
14     <th rowspan="2">1.30-2.20</th> <th rowspan="2">2.20-3.10</th>
15     <th rowspan="2">3.10-4.00</th> <th>Days</th></tr>
16   <tr>
17     <th>Monday</th>
18     <td colspan="2" bgcolor="cyan"><center>Computer Aid in Engineering and Manufacturing</td></center>
19     <td colspan="2" bgcolor="cyan"><center>Computer Aid in Engineering and Manufacturing</td></center>
20     <td colspan="2" bgcolor="cyan"><center>Digital Image Processing and Computer Vision</td></center>
21     <td colspan="2" bgcolor="cyan"><center>Digital Image Processing and Computer Vision</td></center>
22   </tr>
23   <tr>
24     <th>TuesDay</th>
25     <td colspan="2" bgcolor="cyan"><center>Data Structures and Algorithms</td></center>
26     <td colspan="2" bgcolor="cyan"><center>Data Structures and Algorithms</td></center>
27     <td colspan="2" bgcolor="cyan"><center>Computer Architecture and Organization</td></center>
28     <td colspan="2" bgcolor="cyan"><center>Computer Architecture and Organization</td></center>
29   </tr>
30   <tr>
31     <th>Wednesday</th> <td colspan="2" bgcolor="red"><center>Operating System and Server Configure</td>
32     <td colspan="2" bgcolor="red"><center>Operating System and Server Configure</td></center>
33     <td colspan="2" ></td>
34     <td></td>
35   </tr>
```

In 5, Col 58 Spaces: 4 UTF-8 LF HTML ⚙ Go Live ⚙ Prettier

```
Lab2 > Exercise7 > index.html > html > body > center > h3
36   <tr>
37     <th>Thursday</th>
38     <td colspan="2" bgcolor="red"><center>Academic English</td></center>
39     <td colspan="2" ></td>
40     <td colspan="2" bgcolor="cyan"><center>Software Requirements Specification and Design</td></center>
41     <td colspan="2" bgcolor="cyan"><center>Software Requirements Specification and Design</td></center>
42   </tr>
43   <tr>
44     <th>Friday</th>
45     <td colspan="2" bgcolor="red"><center></center></td></center>
46     <td colspan="2" bgcolor="red"><center>Computer Programming for Software</td></center>
47     <td colspan="2" ></td>
48     <td colspan="2" ></td> >
49   </tr>
50   </table>
51   </body> </html>
```

Output

To illustrate Table tags

MGM's JNEC Aurangabad
DEPARTMENT OF MASTER OF COMPUTER APPLICATION
2022

>

Periods	8.30-9.20	9.20-10.10	10.20-11.10	11.10-12.00	1.30-2.20	2.20-3.10	3.10-4.00
Days	Monday	TuesDay	Wednesday	Thursday	Friday		
	Computer Aid in Engineering and Manufacturing	Computer Aid in Engineering and Manufacturing	Operating System and Server Configure	Academic English	Computer Programming for Software	Digital Image Processing and Computer Vision	Digital Image Processing and Computer Vision
		Data Structures and Algorithms	Operating System and Server Configure		Data Structures and Algorithms	Computer Architecture and Organization	Computer Architecture and Organization

Lab Exercise8

```
Exercise8 > index.html > html > body > form > table > tr > th
1   <html>
2
3   <head>
4     <title>RegistrationForm</title>
5   </head>
6   <body bgcolor="#F6F3E8">
7     <div class="container">
8       <h3 align="center"> Study of form tag</h3>
9       <h2 align="center"><b>STUDENT REGISTRATION FORM</b></h2>
10      <form action="abc.html" name="f" method="post" autocomplete="on">
11        <table width="200" border="1">
12          <tr>
13            <th>FirstName:</th>
14            <td><input type="text" name="id1" id="id1" size="30" maxlength="20" /></td>
15          </tr>
16          <tr>
17            <th>LastName:</th>
18            <td><input type="text" name="id2" id="id2" size="30" maxlength="20" /></td>
19          </tr>
20          <tr>
21            <th>Valid Email:</th>
22            <td><input type="text" name="id3" id="id3" size="70" maxlength="50" /></td>
23          </tr>
24          <tr>
25            <th>Password:</th>
26            <td>
27              <input type="password" name="id4" id="id4" size="50" maxlength="10" />
28            </td>
29          </tr>
30          <tr>
31            <th>PhoneNumber:</th>
32            <td><input type="text" name="id5" id="id5" size="30" maxlength="11" /></td>
33          </tr>
34          <tr>
35            <th>Address :</th>
36            <td> <textarea cols="50" rows="6" name="addr"> </textarea> </td>
37          </tr>
        </table>
      </form>
    </div>
  </body>
</html>
```

```
Exercise8 > index.html > html > body > form > table > tr
38
39
40
41
42
43
44
45
46
47
48
49
50
51
52
53
54
55
56
57
58
59
60
61
62
63
64
65
66
67
68
69
70
71
72
73
74
<tr>
  <th>Gender:</th>
  <td><b>Male:</b></td><input type="radio" name="gender" id="r1" value="male" />
  <b>Female:</b></td><input type="radio" name="gender" id="r1" value="female" />
</tr>
<tr>
  <th>Date of Birth:</th>
  <td><input type="text" name="dob" /></td>
</tr>
<tr>
  <th>Qualifications:</th>
  <td><b>SSC</b></td><input type="checkbox" name="a1" id="a1" />
  <b>Percentage:</b><input type="text" name="id9" id="id9" size="5" /><br>
  <b>HSC</b><input type="checkbox" name="a1" id="a1" />
  <b>Percentage:</b><input type="text" name="id10" id="id10" size="5" /><br>
  <b>BCA</b><input type="checkbox" name="a1" id="a1" />
  <b>Percentage:</b><input type="text" name="id11" id="id11" size="5" /><br>
  <b>MCA</b><input type="checkbox" name="a1" id="a1" />
  <b>Percentage:</b><input type="text" name="id12" id="id12" size="5" /><br>
  <b>MBA</b><input type="checkbox" name="a1" id="a1" />
  <b>Percentage:</b><input type="text" name="id13" id="id13" size="5" />
</td>
</tr>
<tr>
  <th>Experience:</th>
  <td><select name="sc1" id="sc1" size="1">
    <option>0-1Year</option>
    <option>2-3Year</option>
    <option>3-5Year</option>
    <option>Morethan5Year</option>
  </select></td>
</tr>
<tr>
  <th>Upload Photo :</th>
  <td><input type="file"></td>
</tr>
```

```
Exercise8 > index.html > html > body > form > table > tr
75
76
77
78
79
80
81
82
83
84
85
<tr>
  <td colspan="2">
    <center>
      <input type="submit" value="Submit" onclick="alert('Your Application have been Submitted');"/> &nbsp;&nbsp;<input type="res
    </center>
  </td>
</tr>
</table>
</body>
</html>
```

Output

localhost/lab2/Exercise8/

Study of form tag

STUDENT REGISTRATION FORM

FirstName:	<input type="text"/>
LastName:	<input type="text"/>
Valid Email:	<input type="text"/>
Password:	<input type="password"/>
Phone Number:	<input type="text"/>
Address :	<input type="text"/>
Gender:	Male: <input type="radio"/> Female: <input checked="" type="radio"/>
Date of Birth:	<input type="text"/>
Qualifications:	SSC <input type="radio"/> Percentage: <input type="text"/> HSC <input type="radio"/> Percentage: <input type="text"/> BCA <input type="radio"/> Percentage: <input type="text"/> MCA <input type="radio"/> Percentage: <input type="text"/> MBA <input type="radio"/> Percentage: <input type="text"/>
Experience	0-1 Year <input type="text"/>
Upload Photo :	<input type="file"/> Choose File No file chosen
<input type="button" value="Submit"/> <input type="button" value="Reset"/>	

LAB Exercise9

```
Exercise9 > index.html > html > head > style > h3
1  <html>
2  <head>
3      <title>css examples</title>
4      <link rel="stylesheet" type="text/css" href="abc.css" /> <!-- External css-->
5      <style type="text/css">
6          <!-- Internal css-->
7          body
8          {
9              margin-left:200px;
10             background: #5d9ab2
11             url('img_tree.png')
12             no-repeat
13             top
14             left;
15         }
16         h3
17         {
18             text-align:center;
19         }
20         div.abc
21         {
22             border:1px
23             solid
24             gray;
25             margin-left:auto;
26             margin-right:auto;
27             width:90%;
28             background-color: #def0f6;
29             text-align:left;
30             padding:8px;
31         }
32         ul.abc
33         {
34             list-style:circle;
35         }
36         #xyz
37         {
```

```

Exercise9 > index.html > html > body
38     font-size:18px;
39     font-style:italic;
40   }
41   </style>
42 </head>
43
44 <body>
45   <h3> Study of CSS </h3>
46   <div class="abc" >!-- Class selector-->
47     <h2>Types of CSS</h2>
48     <p>Cascading Style Sheets (CSS) is a style sheet language used for describing the presentation of a
49       document written in a markup language.</p>
50   </div>
51   <!--Inline CSS-->
52   <p style="border-style:dotted solid dashed double">This is some text in a paragraph with dotted
53     border style.</p>
54   <p style="font-family:Arial, Helvetica, sans-serif">This is text with font family arial in a
55     paragraph.</p>
56   <hr />
57   <p id="xyz">This is text with font size 18 and italic style in a paragraph.</p> <!--ID selector-->
58   <ul class="abc">
59     <li>coffee</li>
60     <li>tea</li>
61     <li>coca cola</li>
62   </ul>
63   <p><a href="index.html" target="_blank">This is a link</a></p>
64 </body>
65 </html>

```

Output

Study of CSS

Types of CSS

Cascading Style Sheets (CSS) is a style sheet language used for describing the presentation of a document written in a markup language.

This is some text in a paragraph with dotted border style.

This is text with font family arial in a paragraph.

This is text with font size 18 and italic style in a paragraph.

- coffee
- tea
- coca cola

[This is a link](#)

Lab Exercise10

```

<html>
<body>
  <h3> Study of Embedding Multimedia </h3>
  <h4>use of Linking</h4>
  <a href="#">mp3 song </a>&ampnbsp&ampnbsp&ampnbsp&ampnbsp&ampnbsp&ampnbsp
  <a href="#">Video Song</a>&ampnbsp&ampnbsp&ampnbsp&ampnbsp&ampnbsp&ampnbsp&ampnbsp&ampnbsp
  <a href="ENGSE203_LAB02.pdf" target="1"> open pdf file</a>&ampnbsp&ampnbsp&ampnbsp&ampnbsp&ampnbsp&ampnbsp&ampnbsp
  <a href="file:///D|/AAD/AAD/intro.docx" target="1"> open DOC file</a><br>
  <h2> Audio & Video Library</h2>
  <table border="2" cellspacing="10">
    <tr>
      <td>
        <h4>use of Embedded tag</h4> <embed width="420" height="200" src="t1.webp">
      </td>
      <td>
        <h4>use of Video tag</h4>
        <video width="320" height="240" autoplay>
          <source src="l1.mp4" type="video/mp4">
        </video>
      </td>
      <td>
        <h4>use of Iframe tag</h4>
        <iframe width="420" height="345" src="http://www.youtube.com/embed/XGSy3_Czz8k">
        </iframe>
      </td>
    </tr>
    <tr>
      <td>
        <h4>use of Object tag for youtube video</h4>
        <object width="425" height="350">
          <param name="movie" value="http://www.youtube.com/v/tIBxavsiHzM" />
          <embed src="http://www.youtube.com/v/tIBxavsiHzM?type=application/x-shockwave-flash" width="425"
            height="350" />
        </object>
      </td>
      <td>

```

```

38      <h4>use of object tag</h4>
39      <object data="p1.mp4" width="320" height="240"> </object>
40    </td>
41    <td>
42      <h4>use of object tag for Pdf File</h4>
43      <object data="ENGSE203_LAB02.pdf" type="application/pdf" width="300" height="200">
44    </object>
45  </td>
46 </tr>
47 </table>
48 </body>
49
50 </html>

```

Output

Study of Embedding Multimedia
use of Linking
[Audio song](#) [Video Song](#) [Open pdf file](#) [Open DOC file](#)

Audio & Video Library

Lab Exercise11

```
Exercice11 > index.html > html > body
1   <html>
2
3   <head>
4     <script type="text/javascript">
5       var n, a = 0, b = 1, c
6       n = prompt("Enter a number ", "")
7       if (n <= 0)
8         alert("Invalid number")
9       else {
10         if (n == 1)
11           document.write(a)
12         else
13           document.write(a + "<br />" + b)
14           for (i = 2; i < n; i++) {
15             c = a + b; a = b; b = c; document.write("<br />" + c)
16           }
17       }
18     Codeium: Refactor | Explain | Generate Function Comment | X
19     function date() {
20       document.write("<h2 style=\"color:red;\">Date Constructor</h2>");
21       var date1 = new Date();
22       document.write("<br><b style=\"color:red;\">Date1 Constructor without parameter ==</b> " + date1);
23       document.write('<br><b style="color:red;">Date1 Constructor without parameter ==</b> ' + date1.toGMTString());
24       document.write('<br><b style="color:purple;">getHours() Method in date1 ==</b> ' + date1.getHours());
25     }
26   </script>
27 </head>
28 <body>
29   <h3>study of Java Script</h3>
30   <h1>Calculating the fibonacci series</h1>
31   <input type="button" onClick="location.href='11.html'" value='refresh'>
32   <input type="button" value="Open new Window" onClick="window.open('2.html')">
33   <input type="button" value="Go back two pages" onClick="history.go(-2)" />
34   <input type="button" value="show today date" onClick="date()" />
35 </body>
```

Output

```
0
1
2
3
5
8
13
21
34
55
89
144
233
377
610
987
1597
2584
4181
6765
10946
```

study of Java Script

Calculating the fibonacci series

Lab Exercise12

```
Exercise12 > index.html > html > body > div.l1 > form > center
1  <html>
2
3  <head>
4      <title>DOM Validation</title>
5      <script type="text/javascript">
6          Codeium: Refactor | Explain | Generate Function Comment | X
7          function val() {
8              var n = document.f1.name.value;
9              var a = document.f1.age.value;
10             var e = document.f1.email.value;
11             var p = document.f1.pass.value;
12             var p1 = document.f1.c_pass.value;
13             var g = document.f1.gender.value;
14             var pos = e.indexOf('@');
15             var dotpos = e.indexOf('.');
16             var str = e.substring(pos + 1, lastdotpos);
17             if (n == "" || a == "" || e == "" || p == "" || p1 == "") {
18                 alert("Fill all the fields");
19                 return true;
20             }
21             if ((a >= 18 && a <= 55)) { alert("You are not eligible,age range should be 18-55"); return true; }
22             if (n.length < 2) {
23                 alert("Name should be greater than 2 char"); return true;
24             }
25             if (p != p1) {
26                 alert("Your Password does not match with Confirm Password");
27                 document.forms[0].p.value = "";
28                 document.forms[0].p1.value = "";
29                 document.forms[0].p.focus();
30                 return true;
31             }
32             if ((document.f1.gender[0].checked == false) && (document.f1.gender[1].checked == false)) {
33                 alert("please select the radio button");
34                 document.form1.r1[0].focus()
35                 return true;
36             }
}
Ln 72, Col 22  Spaces: 4  UTF-8  CRLF  HTML  Codeium: Login  □
```

```
Exercise12 > index.html > html
37     if (pos > lastdotpos) {
38         alert("Enter domain name "); return true;
39     }
40     else if (str.length < 5) {
41         alert("email should have @ and . ");
42         document.getElementById("str").innerHTML = "e.g. ravi_singhal30@yahoo.com";
43         return true;
44     }
45     else {
46         document.getElementById("str").innerHTML = "Hi...." + n + " <br>Age : " + a + " <br>Email - Id is: " + e;
47         return false;
48     }
49   </script>
50 </head>
51 <style>
52 .l1 {
53     display: flex;
54     justify-content: center;
55     align-items: center;
56     height: 100vh;
57     background-color: #fffff;
58 }
59 </style>
60 <body>
61   <div class="l1">
62     <h3>center>
63       Study of DOM In Java Script
64     </h3>
65     <h4>
66       Validation of Registration Form
67     </h4></center>
68     <form method="post" name="f1">
69       <p><center>
70         <font color="#993300">Enter First Name :</font>
```

```

Exercice12 > index.html > html > body > div.l1 > form > input
75   </p>
76   <font color="#993300">Enter Last Name :</font>
77   <input type="text" placeholder="Enter Last name" pattern="[a-zA-Z0-9_-]{6,12}" title="must be alphanumeric in 6-12 chars" required>
78
79   <p>
80     <font color="#993300">Enter Email:</font>
81     <input name="email" type="text" />
82   </p>
83   <p>
84     <font color="#993300">Enter Alternate Email:</font>
85     <input type="email" placeholder="Enter email address" required>
86   </p>
87   <p>
88     <font color="#993300">Enter Password:</font>
89     <input type="password" name="pass" />
90   </p>
91   <p>
92     <font color="#993300">Enter Confirm Password:</font>
93     <input type="password" name="c_pass" />
94   </p>
95   <p>
96     <font color="#993300">Enter contact Number:</font>
97     <!--HTML 5 validation-->
98     <input type="tel" required />
99   </p>
100  <p>
101    <font color="#993300">Enter Age:</font>
102    <input type="text" name="age">
103  </p>
104  <p>
105    <font color="#993300">Gender:</font>
106    <input type="radio" name="gender"> Male
107    <input type="radio" name="gender"> FeMale
108  </p>
109  <p>
110    <font color="#993300">Enter Credit Card Number:</font>
111    <input type="number" size="10" name="credit" min="8" max="12" title="A credit card number" required />

```

```

Exercice12 > index.html > html > body > div.l1 > form > p > input
112   </p>
113   <p>
114     <font color="#993300">Search On Google:</font>
115     <input type="search" name="googlesearch" required>
116   </p>
117   <p>
118     <input name="submit" type="submit" value="save" onclick="val()" />
119     <input type="reset" name="r" value="cancel" />
120   </p>
121   <span id="str"> </span>
122 </form>
123 </div>
124 </div>
125 </body>
126
127
128 </html>

```

Output

Study of DOM In Java Script>

Validation of Registration Form>

Enter First Name :	<input type="text"/>
Enter Last Name :	<input type="text"/>
Enter Email :	<input type="text"/>
Enter Alternate Email :	<input type="text"/>
Enter Password :	<input type="password"/>
Enter Confirm Password :	<input type="password"/>
Enter contact Number :	<input type="text"/>
Enter Age :	<input type="text"/>
Gender :	<input type="radio"/> Male <input type="radio"/> FeMale
Enter Credit Card Number :	<input type="text"/>
Search On Google :	<input type="text"/>
<input type="button" value="save"/> <input type="button" value="cancel"/>	

Lab Exercise13

```
Exercise13 > index.xml
1  <?xml version="1.0" encoding="UTF-8"?>
2  <!--Formatting XML with CSS and Validate using external DTD-->
3  <?xml-stylesheet type="text/css" href="library_xml.css"?>
4  <!DOCTYPE Library SYSTEM "library.dtd">
5  <!--XML Validation using Internal DTD <!DOCTYPE Library
6  [
7  <!ELEMENT Library (#PCDATA|Book)*>
8  <!ELEMENT Book (Bid,BName,Price,Author)>
9  <!ELEMENT Author (FName|LName)*>
10 <!ELEMENT FName (#PCDATA)>
11 <!ELEMENT LName (#PCDATA)>
12 <!ELEMENT Bid (#PCDATA)>
13 <!ELEMENT BName (#PCDATA)>
14 <!ELEMENT Price (#PCDATA)>
15 <!ATTLIST Book
16   Language CDATA #FIXED "English"
17   Publication CDATA #REQUIRED
18   Available (Yes/No) "No">
19 ] -->
20 <Library>
21 This is a library XML document with CSS and Validate using external DTD
22 <Book Publication="2011" Available="Yes">
23   <Bid>10</Bid>
24   <BName>Let Us C</BName>
25   <Price>430</Price>
26   <Author>
27     <FName>Jirapat</FName>
28     <LName>Tanuwoharn</LName>
29   </Author>
30 </Book>
31 <Book Language="English" Publication="2011" Available="No">
32   <Bid>20</Bid>
33   <BName>Let Us Cpp</BName>
34   <Price>430</Price>
35   <Author>
36     <LName>Kanetkar</LName>
37     <FName>Yashwant</FName>
38   </Author>
39 </Book>
40 </Library>
```

library.dtd

```
Exercise13 > library.dtd
1  <?xml version="1.0" encoding="UTF-8"?>
2  <!ELEMENT Library (#PCDATA|Book)*>
3  <!ELEMENT Book (Bid,BName,Price,Author)>
4  <!ELEMENT Author (FName|LName)*>
5  <!ELEMENT FName (#PCDATA)>
6  <!ELEMENT LName (#PCDATA)>
7  <!ELEMENT Bid (#PCDATA)>
8  <!ELEMENT BName (#PCDATA)>
9  <!ELEMENT Price (#PCDATA)>
10 <!ATTLIST Book
11   Language CDATA #FIXED "English"
12   Publication CDATA #REQUIRED
13   Available (Yes|No) "No">
```

library_xml.css

```
EXECSYS > C:\Users\Bryant\OneDrive\Desktop> library_xml.css
 1  /* CSS Document */
 2  Library
 3  { background-color:#FFFF99; }
 4  Book
 5  {
 6  display:block; margin-bottom:30pt; margin-left:0;
 7  }
 8  Bid
 9  { color:#FF0000; font-size:24px; font-family:"Monotype Corsiva"; }
10  BName,Price,Author
11  { display:block; color:#663399; margin-left:20pt; }
```

Output

This is a library XML document with CSS and Validate using external DTD

101
Let Us C
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