Web Lab Exercise 2

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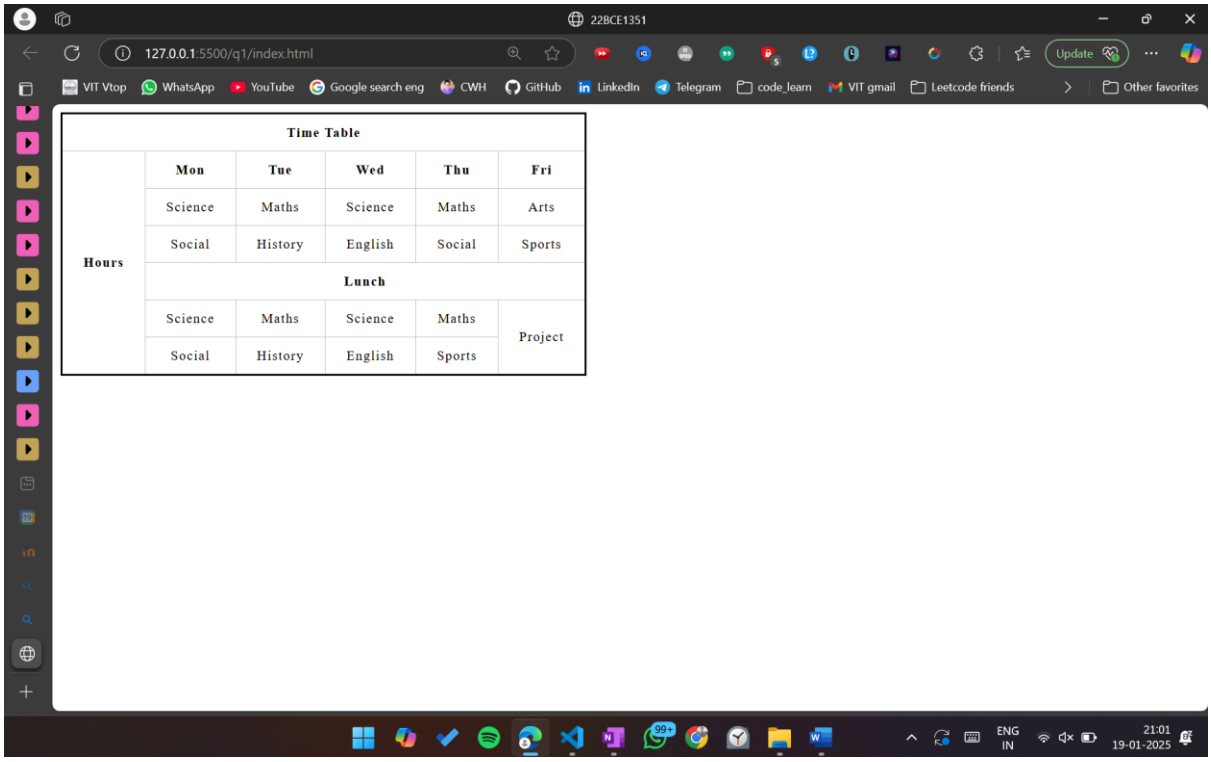
Reg. no	22BCE1351
Professor	Jenila Livingston M
Subject	Web Programming
Slot	L15+L16+L19+L20
Venue	AB3 – 202

Note: **Display your registration number in the title bar. Take screenshot along with the title bar**

1) Display the below table

Time Table					
Hours	Mon	Tue	Wed	Thu	Fri
	Science	Maths	Science	Maths	Arts
	Social	History	English	Social	Sports
	Lunch				
	Science	Maths	Science	Maths	Project
	Social	History	English	Social	

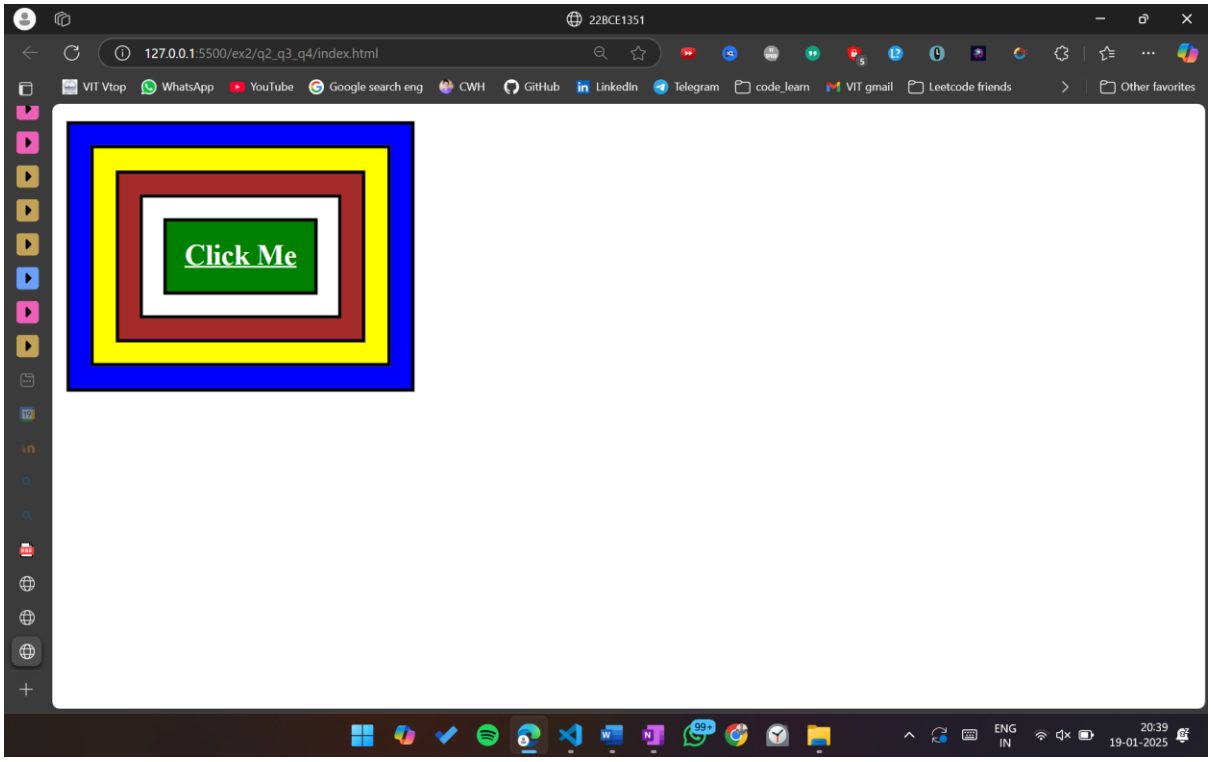



```
<html lang="en-US">

<head>
  <meta charset="utf-8">
  <meta name="viewport" content="width=device-width">
  <title>22BCE1351</title>
  <style>
    table {
    border-collapse: collapse;
    border: 2px solid black;
    letter-spacing: 1px;
    font-size: 0.8rem;
  }
```

```
  td, th {
    border: 1px solid rgb(190,190,190);
    padding: 10px 20px;
  }
  td{
    text-align: center;
  }
  </style>
</head>

<body>
  <table>
    <tr>
      <th colspan=6>Time Table</th>
    </tr>
    <tr>
      <th rowspan=6>Hours</th>
      <th>Mon</th>
      <th>Tue</th>
      <th>Wed</th>
      <th>Thu</th>
      <th>Fri</th>
    </tr>
    <tr>
      <td>Science</td>
      <td>Maths</td>
      <td>Science</td>
      <td>Maths</td>
      <td>Arts</td>
    </tr>
    <tr>
      <td>Social</td>
      <td>History</td>
      <td>English</td>
      <td>Social</td>
      <td>Sports</td>
    </tr>
    <tr>
      <th colspan=5>Lunch</th>
    </tr>
    <tr>
      <td>Science</td>
      <td>Maths</td>
      <td>Science</td>
      <td>Maths</td>
      <td rowspan=2>Project</td>
    </tr>
    <tr>
```

```
      <td>Social</td>
      <td>History</td>
      <td>English</td>
      <td>Sports</td>
    </tr>
  </table>
</body>
</html>
```

2) The below image shows a five-level nesting of tables, with the color 'Blue' representing the outermost or container table and the nested tables are represented with four different colors Yellow, Red, White and Green respectively. Design a webpage with nested tables in the format shown below




```
<!DOCTYPE html>
<html lang="en">
```

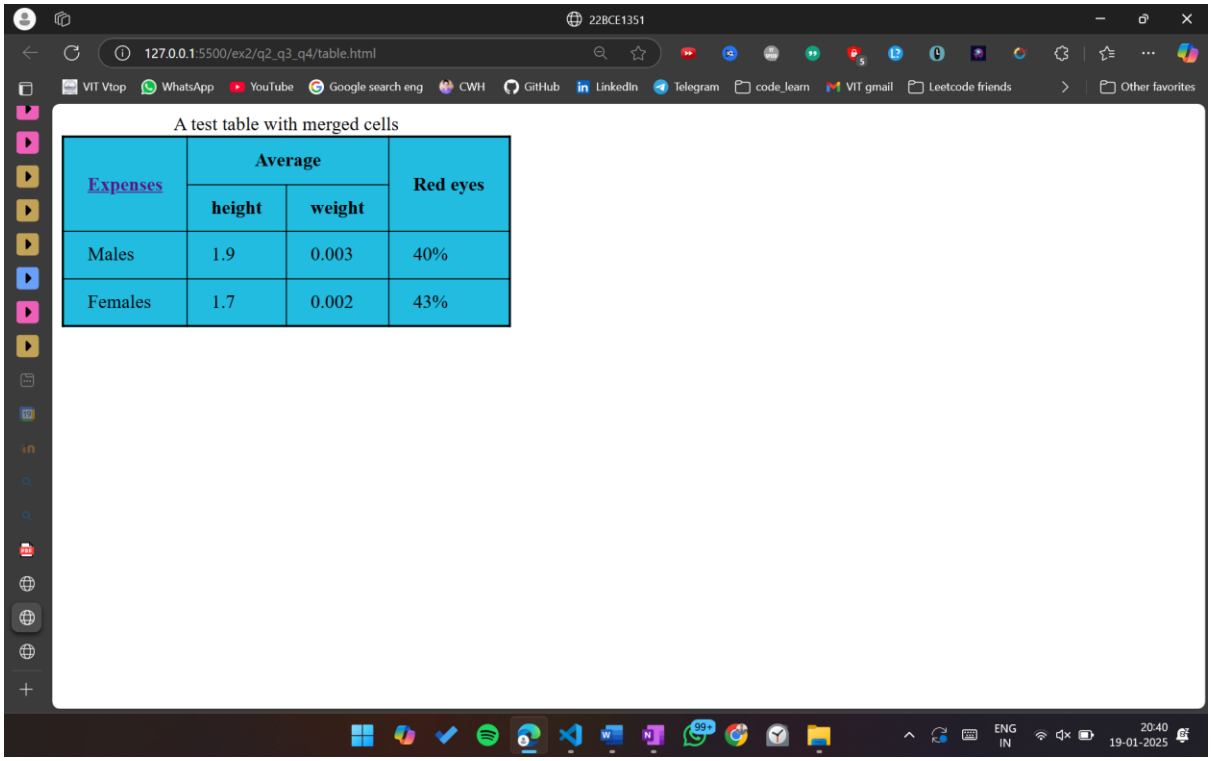
```
<head>
    <meta charset="UTF-8">
    <meta name="viewport" content="width=device-width, initial-scale=1.0">
    <title>22BCE1351</title>
    <style>
        th{
            border: 2px solid black;
        }
        .outer{
            margin: 10px;
            padding: 10px;
            background-color: blue;

        }
        .inner{
            padding: 10px;
            background-color: yellow;
        }
        .inner1{
            padding: 10px;
            background-color: brown;
        }
        .inner2{
            padding: 10px;
            background-color: white;
        }
        .inner3{
            padding: 10px;
            background-color: green;
            color: white;
        }
    </style>
</head>
<body>
    <table>
        <th class="outer">
          <table>
            <th class="inner">
              <table>
                <th class="inner1">
                  <table>

                        <th class = "inner2">
                            <table>
                                <th class="inner3">
                                    <a href = "table.html" style="color:
white;" target="_blank"><u>Click Me</u></a>
                                </th>
```

```
                        </table>
                    </th>
                </table>
            </th>
        </table>
    </th>
</table>
</body>
</html>
```

3) Fetch the below test table on clicking the hypertext "Click Me". **Use your register number and three letters of first name** (Eg.: #20BCE1001JAY) for the table background color

A test table with merged cells

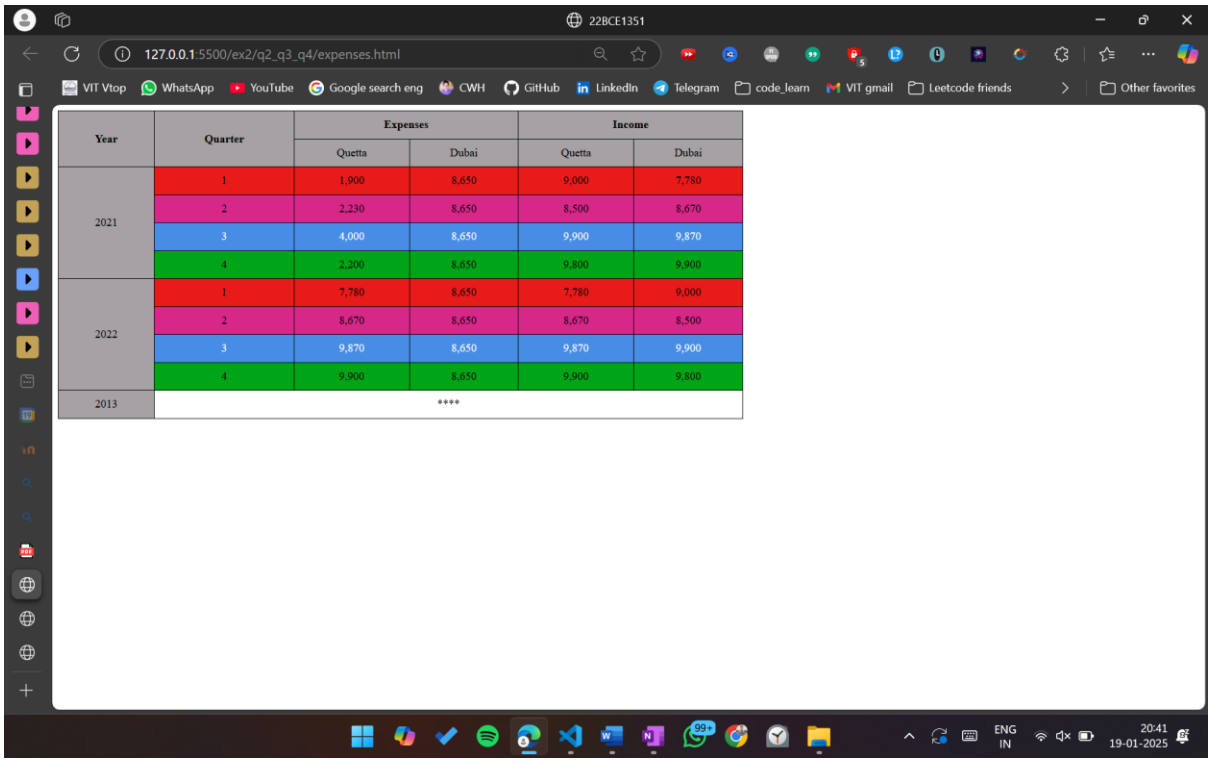
Expenses	Average		Red eyes
	height	weight	
Males	1.9	0.003	40%
Females	1.7	0.002	43%



```html
<!DOCTYPE html>
<html lang="en">
<head>
    <meta charset="UTF-8">
    <meta name="viewport" content="width=device-width, initial-scale=1.0">
    <title>22BCE1351</title>
    <style>
        table{
            border: 2px solid black;
            border-collapse: collapse;
            background-color: #22BCE1;
            /* #22BCE1351SAU color is not possible in CSS */
        }
        td, th{
            border: 1px solid black;
            padding: 10px 20px;
        }
    </style>
</head>
<body>
  <table>
    <caption class="center-text">A test table with merged cells</caption>
        <tr>
          <th rowspan=2><a href="expenses.html">Expenses</a></th>
                <th colspan="2">Average</th>
                <th rowspan="2">Red eyes</th>
        </tr>
        <tr>
          <th>height</th>
          <th>weight</th>
        </tr>
        <tr>
          <td>Males</td>
          <td>1.9</td>
          <td>0.003</td>
          <td>40%</td>
          <!-- <td>Arts</td> -->
        </tr>
        <tr>
          <td>Females</td>
          <td>1.7</td>
          <td>0.002</td>
          <td>43%</td>
        </tr>
      </table>
</body>
</html>
```

4) Display the table below on clicking the hyperlink "Expenses" on the above table. (2 marks)

Year	Quarter	Expenses		Income	
		Quetta	Dubai	Quetta	Dubai
2021	1	1,900	8,650	9,000	7,780
	2	2,230	8,650	8,500	8,670
	3	4,000	8,650	9,900	9,870
	4	2,200	8,650	9,800	9,900
2022	1	7,780	8,650	7,780	9,000
	2	8,670	8,650	8,670	8,500
	3	9,870	8,650	9,870	9,900
	4	9,900	8,650	9,900	9,800
2013	****				




```
<!DOCTYPE html>
<html lang="en">
<head>
    <meta charset="UTF-8">
```

```
    <meta name="viewport" content="width=device-width, initial-scale=1.0">
    <title>22BCE1351</title>
    <style>
        table {
            border-collapse: collapse;
            width: 60%;
            text-align: center;
        }
        th, td {
            border: 1px solid black;
            padding: 10px;
        }
        .header {
            background-color: #a5a1a4;
        }
        .color1 { background-color: #E81B1B; }
        .color2 { background-color: #D72889; }
        .color3 { background-color: #478DE5; color: white;}
        .color4 { background-color: #00A517;  }
    </style>
</head>
<body>
    <table>
        <tr class="header">
            <th rowspan="2">Year</th>
            <th rowspan="2">Quarter</th>
            <th colspan="2">Expenses</th>
            <th colspan="2">Income</th>
        </tr>
        <tr class="header">
            <td>Quetta</td>
            <td>Dubai</td>
            <td>Quetta</td>
            <td>Dubai</td>
        </tr>
        <tr class="color1">
            <td rowspan="4" class="header">2021</td>
            <td>1</td>
            <td>1,900</td>
            <td>8,650</td>
            <td>9,000</td>
            <td>7,780</td>
        </tr>
        <tr class="color2">
            <td>2</td>
            <td>2,230</td>
            <td>8,650</td>
            <td>8,500</td>
```

```
            <td>8,670</td>
        </tr>
        <tr class="color3">
            <td>3</td>
            <td>4,000</td>
            <td>8,650</td>
            <td>9,900</td>
            <td>9,870</td>
        </tr>
        <tr class="color4">
            <td>4</td>
            <td>2,200</td>
            <td>8,650</td>
            <td>9,800</td>
            <td>9,900</td>
        </tr>
        <tr class="color1">
            <td rowspan="4" class="header">2022</td>
            <td>1</td>
            <td>7,780</td>
            <td>8,650</td>
            <td>7,780</td>
            <td>9,000</td>
        </tr>
        <tr class="color2">
            <td>2</td>
            <td>8,670</td>
            <td>8,650</td>
            <td>8,670</td>
            <td>8,500</td>
        </tr>
        <tr class="color3">
            <td>3</td>
            <td>9,870</td>
            <td>8,650</td>
            <td>9,870</td>
            <td>9,900</td>
        </tr>
        <tr class="color4">
            <td>4</td>
            <td>9,900</td>
            <td>8,650</td>
            <td>9,900</td>
            <td>9,800</td>
        </tr>
        <tr class="header">
            <td>2013</td>
            <td colspan="5" style="background-color: white;">****</td>
```

```
        </tr>
    </table>
</body>
</html>
```

5) Design a webpage with the following details using HTML lists (4 marks)

Markup Languages

SGML
: The Standard Generalized Markup Language

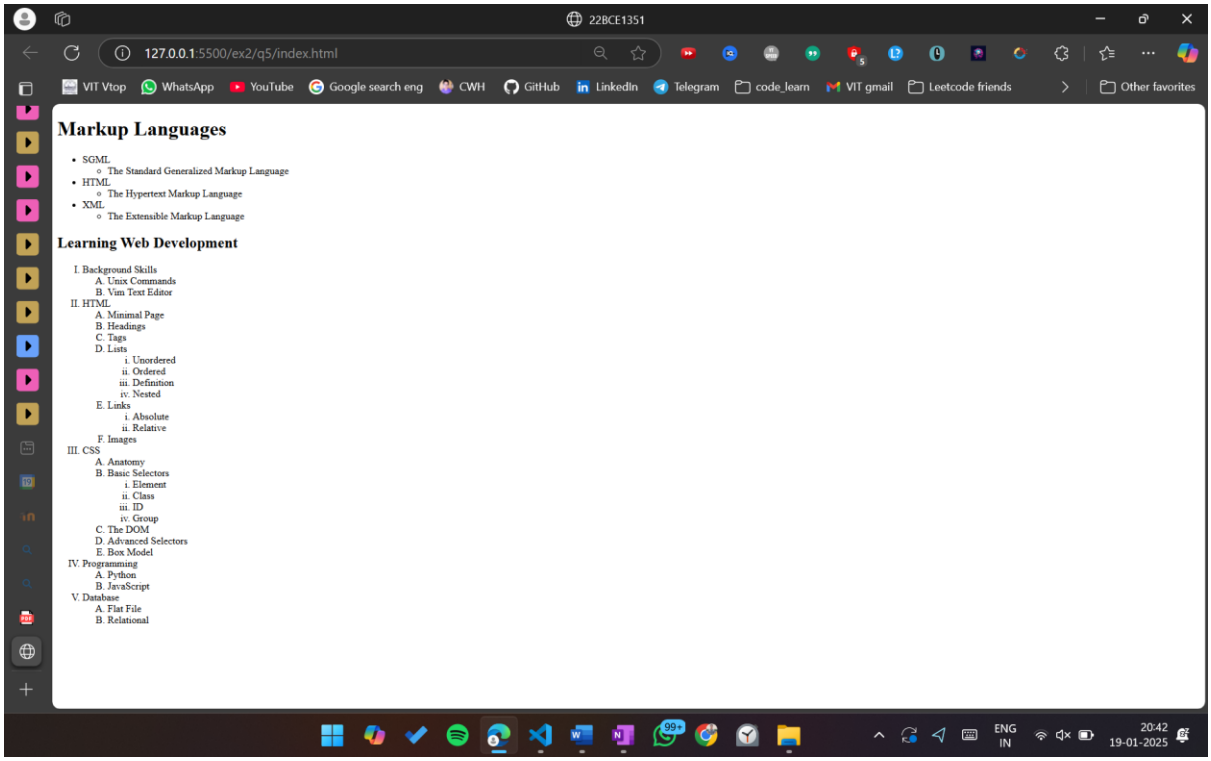
HTML
: The Hypertext Markup Language

XML
: The Extensible Markup Language

Learning Web Development

I. Background Skills
   A. Unix Commands
   B. Vim Text Editor
II. HTML
   A. Minimal Page
   B. Headings
   C. Tags
   D. Lists
      i. Unordered
      ii. Ordered
      iii. Definition
      iv. Nested
   E. Links
      i. Absolute
      ii. Relative
   F. Images
III. CSS
   A. Anatomy
   B. Basic Selectors
      i. Element
      ii. Class
      iii. ID
      iv. Group
   C. The DOM
   D. Advanced Selectors
   E. Box Model
IV. Programming
   A. Python
   B. JavaScript
V. Database
   A. Flat File
   B. Relational

HTML HOME




```html
<!DOCTYPE html>
<html lang="en">
<head>
    <meta charset="UTF-8">
    <meta name="viewport" content="width=device-width, initial-scale=1.0">
    <title>22BCE1351</title>
</head>
<body>
    <h1>Markup Languages</h1>
    <ul>
        <li>SGML
            <ul>
                <li>The Standard Generalized Markup Language</li>
            </ul>
        </li>
        <li>HTML
            <ul>
                <li>The Hypertext Markup Language</li>
            </ul>
        </li>
        <li>XML
            <ul>
                <li>The Extensible Markup Language</li>
```

```
            </ul>
        </li>
    </ul>

    <h2>Learning Web Development</h2>
    <ol type="I">
        <li>Background Skills
            <ol type="A">
                <li>Unix Commands</li>
                <li>Vim Text Editor</li>
            </ol>
        </li>
        <li>HTML
            <ol type="A">
                <li>Minimal Page</li>
                <li>Headings</li>
                <li>Tags</li>
                <li>Lists
                    <ol type="i">
                        <li>Unordered</li>
                        <li>Ordered</li>
                        <li>Definition</li>
                        <li>Nested</li>
                    </ol>
                </li>
                <li>Links
                    <ol type="i">
                        <li>Absolute</li>
                        <li>Relative</li>
                    </ol>
                </li>
                <li>Images</li>
            </ol>
        </li>
        <li>CSS
            <ol type="A">
                <li>Anatomy</li>
                <li>Basic Selectors
                    <ol type="i">
                        <li>Element</li>
                        <li>Class</li>
                        <li>ID</li>
                        <li>Group</li>
                    </ol>
                </li>
                <li>The DOM</li>
                <li>Advanced Selectors</li>
                <li>Box Model</li>
```

```
            </ol>
        </li>
        <li>Programming
            <ol type="A">
                <li>Python</li>
                <li>JavaScript</li>
            </ol>
        </li>
        <li>Database
            <ol type="A">
                <li>Flat File</li>
                <li>Relational</li>
            </ol>
        </li>
    </ol>
</body>
</html>
```

Thank you!