Web Programming
Lab – 2
HTML – Links, Tables and Lists

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Course Code: BCSE203E
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Question 1:

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	

Code:

```html
<!DOCTYPE html>
<html lang="en">
<head>
    <meta charset="UTF-8">
    <meta name="viewport" content="width=device-width, initial-scale=1.0">
    <title>23BCE1728</title>
</head>
<body>
    <h1>Exercise 2A</h1>
    <table border="1" style="background-color:antiquewhite;">
        <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>Social</td>
        </tr>
    </table>
</body>
</html>
```

Output:

Question 2:

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

Code:

```html
<!DOCTYPE html>
<html lang="en">
<head>
    <meta charset="UTF-8">
    <meta name="viewport" content="width=device-width, initial-scale=1.0">
    <title>23BCE1728</title>
</head>
<body>
    <h1>Exercise 2B</h1>
    <table style="width: 50%;">
        <td style="background-color: blueviolet;;height: 200px;" align="center">
            <table style="width: 90%;">
                <td style="background-color: yellow;height: 160px;" align="center">
                    <table style="width: 90%;">
                        <td style="background-color: red;height: 120px;" align="center">
                            <table style="width: 90%;">
                                <td style="background-color: white;height: 80px;" align="center">
                                    <table style="width: 90%;">
                                        <td style="background-color: green;height: 40px;" align="center">
                                            <a href="ex2c.html" target="_blank" style="color: white;">Click
Me</a>
                                        </td>
                                    </table>
                                </td>
                            </table>
                        </td>
                    </table>
                </td>
            </table>
        </td>
    </table>
</body>
</html>
```
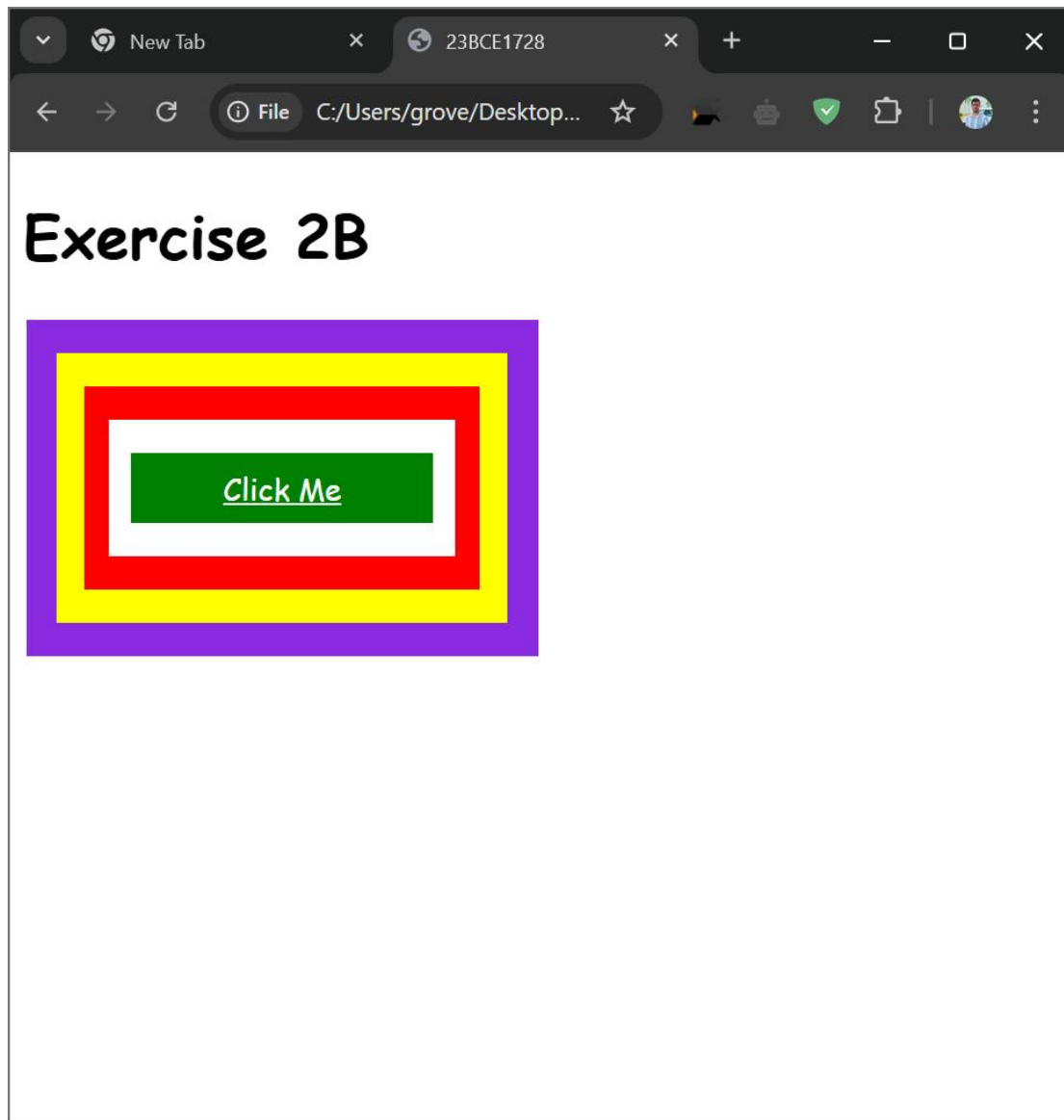
Output:

Question 3:

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

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

A test table with merged cells

Code:

```
<!DOCTYPE html>
<html lang="en">
<head>
    <meta charset="UTF-8">
    <meta name="viewport" content="width=device-width, initial-scale=1.0">
```

```html
        <title>23BCE1728</title>
</head>
<body>
    <h1>Exercise 2C</h1>
    <caption>A test table with merged cells</caption>
    <table border="1" style="background-color: #1728;">
        <tr>
            <th rowspan="2">
                <a href="ex2d.html" target="_blank">Expenses</a>
            </th>
            <th colspan="2">Average</th>
            <th rowspan="2">Red eyes</th>
        </tr>
        <tr>
            <th>height</th>
            <th>weight</th>
        </tr>
        <tr>
            <th>Males</th>
            <td>1.9</td>
            <td>0.003</td>
            <td>40%</td>
        </tr>
        <tr>
            <th>Females</th>
            <td>1.7</td>
            <td>0.002</td>
            <td>43%</td>
        </tr>
    </table>
</body>
</html>
```

Output:

Exercise 2C

A test table with merged cells

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

Question 4:

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	****				

Code:

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

```html
<head>
    <meta charset="UTF-8">
    <meta name="viewport" content="width=device-width, initial-scale=1.0">
    <title>23BCE1728</title>
</head>
<body>
    <h1>Exercise 2D</h1>
    <table border="1">
        <tr>
            <th rowspan="2" style="background-color: #eae6e2;">Year</th>
            <th rowspan="2" style="background-color: #eae6e2;">Quarter</th>
            <th colspan="2" style="background-color: #eae6e2;">Expenses</th>
            <th colspan="2" style="background-color: #eae6e2;">Income</th>
        </tr>
        <tr>
            <td style="background-color: #eae6e2;">Quetta</td>
            <td style="background-color: #eae6e2;">Dubai</td>
            <td style="background-color: #eae6e2;">Quetta</td>
            <td style="background-color: #eae6e2;">Dubai</td>
        </tr>
        <tr>
            <td rowspan="4" style="background-color: #eae6e2;">2021</td>
            <td style="background-color: #bd2f0b;">1</td>
            <td style="background-color: #bd2f0b;">1900</td>
            <td style="background-color: #bd2f0b;">8650</td>
            <td style="background-color: #bd2f0b;">9000</td>
            <td style="background-color: #bd2f0b;">7780</td>
        </tr>
        <tr>
            <td style="background-color: #d50492;">2</td>
            <td style="background-color: #d50492;">2230</td>
            <td style="background-color: #d50492;">8650</td>
            <td style="background-color: #d50492;">8500</td>
            <td style="background-color: #d50492;">8670</td>
        </tr>
        <tr>
            <td style="background-color: #4f80bb;">3</td>
            <td style="background-color: #4f80bb;">4000</td>
            <td style="background-color: #4f80bb;">8650</td>
            <td style="background-color: #4f80bb;">9900</td>
            <td style="background-color: #4f80bb;">9870</td>
        </tr>
        <tr>
            <td style="background-color: #136111;">4</td>
            <td style="background-color: #136111;">2200</td>
            <td style="background-color: #136111;">8650</td>
            <td style="background-color: #136111;">9800</td>
            <td style="background-color: #136111;">9900</td>
        </tr>
        <tr>
            <td rowspan="4" style="background-color: #eae6e2;">2022</td>
            <td style="background-color: #bd2f0b;">1</td>
            <td style="background-color: #bd2f0b;">7780</td>
            <td style="background-color: #bd2f0b;">8650</td>
            <td style="background-color: #bd2f0b;">7780</td>
            <td style="background-color: #bd2f0b;">9000</td>
        </tr>
        <tr>
            <td style="background-color: #d50492;">2</td>
            <td style="background-color: #d50492;">8670</td>
            <td style="background-color: #d50492;">8650</td>
            <td style="background-color: #d50492;">8670</td>
            <td style="background-color: #d50492;">8500</td>
        </tr>
        <tr>
            <td style="background-color: #4f80bb;">3</td>
            <td style="background-color: #4f80bb;">9870</td>
            <td style="background-color: #4f80bb;">8650</td>
            <td style="background-color: #4f80bb;">9870</td>
            <td style="background-color: #4f80bb;">9900</td>
        </tr>
        <tr>
            <td style="background-color: #136111;">4</td>
```
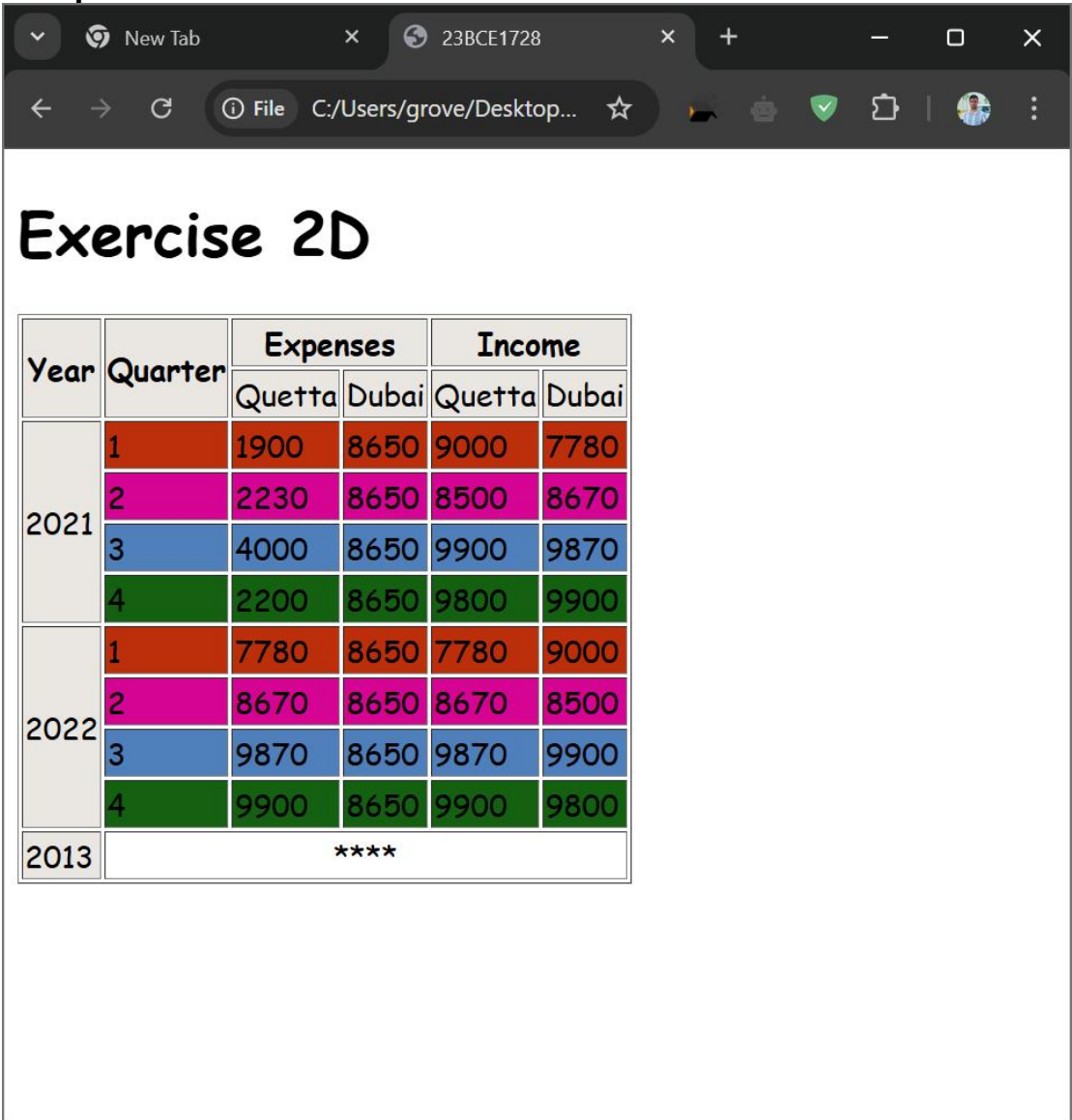
```
            <td style="background-color: #136111;">9900</td>
            <td style="background-color: #136111;">8650</td>
            <td style="background-color: #136111;">9900</td>
            <td style="background-color: #136111;">9800</td>
        </tr>
        <tr>
            <td style="background-color: #eae6e2;">2013</td>
            <td colspan="5" align="center">****</td>
        </tr>
    </table>
</body>
</html>
```

Output:

Question 5:

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

Code:

```html
<!DOCTYPE html>
<html lang="en">
<head>
    <meta charset="UTF-8">
    <meta name="viewport" content="width=device-width, initial-scale=1.0">
    <title>23BCE1728</title>
</head>
<body>
    <h1>Exercise 2E</h1>
    <h2>Markup Languages</h2>
    <dl>
        <dt>SGML</dt>
        <dd>
            The Standard Generalized Markup Language
        </dd>
        <dt>HTML</dt>
```

```html
        <dd>
            The Hypertext Markup Language
        </dd>
        <dt>XTML</dt>
        <dd>
            The Extensible Markup Language
        </dd>
    </dl>
    <h3>Learning Web Development</h3>
    <ol type="I">
        <li>
            Background Skills
            <ol type="A">
                <li>Unix Commands</li>
                <li>Vim Text Editor</li>
            </ol>
        </li>
        <li id="HTML">
            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">Python</ol>
            <ol type="B">JavaScript</ol>
        </li>
        <li>
            Database
            <ol type="A">
                <li>Flat File</li>
                <li>Relational</li>
            </ol>
        </li>
    </ol>
```

```html
    <p align="center">
        <a href="" target="HTML">HTML</a>
        <a href="home.html" target="_blank">Home</a>
    </p>
</body>
</html>
```

Output:

Exercise 2E

Markup Languages

SGML
    The Standard Generalized Markup Language
HTML
    The Hypertext Markup Language
XTML
    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

   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
  Python
  JavaScript

V. Database
  A. Flat File
  B. Relational

[HTML](#) [Home](#)