Practical 3A: Tables (SY Subjects)

Aim: To Demonstrate the use of table tags

Question: Design to demonstrate the use of table tags to display information for the SYIT course subjects for semester 3 and 4. The information should display the course title, the course code , credits. Use CSS properties for width , height , border-color, border style , padding , background-image , color , text-align along with rowspan and colspan.

Concepts:

Tag / Selector	Attribute / Property	Purpose / Usage
<table>	border, width, height	Creates the table structure and controls its size and border
<thead>, <tbody>	—	Separates header and body rows for cleaner structure
<tr>	—	Defines each row in the table
<th>, <td>	rowspan, colspan, padding, text-align	Cells for headers and data, merged when needed, aligned and spaced
.table / table (CSS)	border-style, border-color, background-image	Adds border aesthetics and background to the table
th, td (CSS)	color, background-color, padding, text-align	Styles the text and appearance of cells
table	font-family	Controls font appearance for consistency

Code:

index.html

```html
<!DOCTYPE html>
<html lang="en">
  <head>
    <meta charset="UTF-8" />
    <meta name="viewport" content="width=device-width, initial-scale=1.0" />
    <title>Practical 3A - SY Subjects</title>
    <link rel="stylesheet" href="style.css" />
  </head>
  <body>
    <h1>Tables in HTML along with CSS</h1>
    <table border="1" cellspacing="0" cellpadding="8">
      <thead>
        <tr>
          <th rowspan="2">Semester</th>
          <th rowspan="2">Sr. No.</th>
          <th rowspan="2">Subject Name</th>
          <th colspan="2">Faculty</th>
          <th rowspan="2">Subject Code</th>
          <th rowspan="2">Credits</th>
        </tr>
        <tr>
          <th>Faculty 1</th>
          <th>Faculty 2</th>
        </tr>
      </thead>
      <tbody>
        <!-- Semester III (12 rows) -->
        <tr>
          <td rowspan="12">III</td>
          <td>1</td>
          <td>BUSINESS ENVIRONMENT (Theory)</td>
          <td>Dr. Suvaiba Pirani</td>
          <td>Ms. NAZIYA GUJARATI</td>
          <td>UACOM5001OE1</td>
          <td>2</td>
        </tr>
        <tr>
          <td>2</td>
          <td>COMMUNITY ENGAGEMENT PROGRAM (Practical)</td>
          <td>Ms. Jenipher D'Souza</td>
          <td>Ms. Roshen Abraham</td>
          <td>UXSIP5001CE1PR</td>
          <td>2</td>
        </tr>
        <tr>
```

```html
    <td>3</td>
    <td>DATA BASE MANAGEMENT SYSTEM (Theory)</td>
    <td>Mr. Roy Thomas</td>
    <td></td>
    <td>USITY5002CR1</td>
    <td>4</td>
</tr>
<tr>
    <td>4</td>
    <td>DATA BASE MANAGEMENT SYSTEM PRACTICAL (Practical)</td>
    <td>Mr. Roy Thomas</td>
    <td></td>
    <td>USITY5002CR1PR</td>
    <td>1</td>
</tr>
<tr>
    <td>9</td>
    <td>EQUITY AND DEBT MARKET (Theory)</td>
    <td>Mr. Vinayak Thool</td>
    <td></td>
    <td>UCAFC5002MN1</td>
    <td>4</td>
</tr>
<tr>
    <td>10</td>
    <td>EXTRACURRICULAR PROGRAM (Practical)</td>
    <td></td>
    <td></td>
    <td>UXECC5001CC1</td>
    <td>2</td>
</tr>
<tr>
    <td>11</td>
    <td>INTRODUCTION TO HINDI POETRY (Theory)</td>
    <td>Dr. Bhagwati Upadhyay</td>
    <td>Mr. Satish Kanojiya</td>
    <td>UAHIN5001AE1</td>
    <td>2</td>
</tr>
<tr>
    <td>12</td>
    <td>OBJECT ORIENTED PROGRAMMING WITH JAVA (Theory)</td>
    <td>Mr. Subhash Kumar</td>
    <td></td>
    <td>USITY5001CR1</td>
    <td>4</td>
</tr>
<tr>
```

```html
    <td>13</td>
    <td>OBJECT ORIENTED PROGRAMMING WITH JAVA PRACTICAL (Practical)</td>
    <td>Mr. Subhash Kumar</td>
    <td></td>
    <td>USITY5001CR1PR</td>
    <td>2</td>
</tr>
<tr>
    <td>14</td>
    <td>WEB DESIGNING AND PROGRAMMING (Theory)</td>
    <td></td>
    <td></td>
    <td>USITY5001VS1</td>
    <td>2</td>
</tr>
<tr>
    <td>15</td>
    <td>WEB DESIGNING AND PROGRAMMING (Theory)</td>
    <td>Ms. Bertilla Fernandes</td>
    <td></td>
    <td>USITY5001VS1</td>
    <td>2</td>
</tr>
<tr>
    <td>16</td>
    <td>WEB DESIGNING AND PROGRAMMING (Practical)</td>
    <td>Ms. Bertilla Fernandes</td>
    <td></td>
    <td>USITY5001VS1PR</td>
    <td>2</td>
</tr>

<!-- Semester IV (4 rows) -->
<tr>
    <td rowspan="4">IV</td>
    <td>5</td>
    <td>DATA STRUCTURE USING JAVA (Theory)</td>
    <td></td>
    <td></td>
    <td>USITY5003CR1</td>
    <td>4</td>
</tr>
<tr>
    <td>6</td>
    <td>DATA STRUCTURE USING JAVA PRACTICAL (Practical)</td>
    <td></td>
    <td></td>
    <td>USITY5003CR1PR1</td>
```

```html
            <td>2</td>
        </tr>
        <tr>
          <td>7</td>
          <td>DISCRETE MATHEMATICS AND STATISTICS (Theory)</td>
          <td></td>
          <td></td>
          <td>USITY5004CR1</td>
          <td>4</td>
        </tr>
        <tr>
          <td>8</td>
          <td>EXTRACURRICULAR PROGRAM (Practical)</td>
          <td></td>
          <td></td>
          <td>UXECC5001CC1</td>
          <td>2</td>
        </tr>
      </tbody>
    </table>
  </body>
</html>
```

style.css

```css
table,
th,
td {
  border: 1px solid black;
  border-collapse: collapse;
  padding: 5px;
}

th {
  text-align: center;
  background-color: black;
  color: white;
  border: 1px solid white;
}

table {
  background-image: url("https://img.freepik.com/premium-vector/hand-painted-
watercolor-abstract-background_889452-12379.jpg?semt=ais_hybrid&w=740");
  background-size: 200%;
}
```

Output:

Tables in HTML along with CSS

Semester	Sr. No.	Subject Name	Faculty		Subject Code	Credits
			Faculty 1	Faculty 2		
III	1	BUSINESS ENVIRONMENT (Theory)	Dr. Suvaiba Pirani	Ms. NAZIYA GUJARATI	UACOM5001OE1	2
	2	COMMUNITY ENGAGEMENT PROGRAM (Practical)	Ms. Jenipher D'Souza	Ms. Roshen Abraham	UXSIP5001CE1PR	2
	3	DATA BASE MANAGEMENT SYSTEM (Theory)	Mr. Roy Thomas		USITY5002CR1	4
	4	DATA BASE MANAGEMENT SYSTEM PRACTICAL (Practical)	Mr. Roy Thomas		USITY5002CR1PR	1
	9	EQUITY AND DEBT MARKET (Theory)	Mr. Vinayak Thool		UCAFC5002MN1	4
	10	EXTRACURRICULAR PROGRAM (Practical)			UXECC5001CC1	2
	11	INTRODUCTION TO HINDI POETRY (Theory)	Dr. Bhagwati Upadhyay	Mr. Satish Kanojiya	UAHIN5001AE1	2
	12	OBJECT ORIENTED PROGRAMMING WITH JAVA (Theory)	Mr. Subhash Kumar		USITY5001CR1	4
	13	OBJECT ORIENTED PROGRAMMING WITH JAVA PRACTICAL (Practical)	Mr. Subhash Kumar		USITY5001CR1PR	2
	14	WEB DESIGNING AND PROGRAMMING (Theory)			USITY5001VS1	2
	15	WEB DESIGNING AND PROGRAMMING (Theory)	Ms. Bertilla Fernandes		USITY5001VS1	2
	16	WEB DESIGNING AND PROGRAMMING (Practical)	Ms. Bertilla Fernandes		USITY5001VS1PR	2
IV	5	DATA STRUCTURE USING JAVA (Theory)			USITY5003CR1	4
	6	DATA STRUCTURE USING JAVA PRACTICAL (Practical)			USITY5003CR1PR1	2
	7	DISCRETE MATHEMATICS AND STATISTICS (Theory)			USITY5004CR1	4
	8	EXTRACURRICULAR PROGRAM (Practical)			UXECC5001CC1	2

Conclusion:

Through this practical, I learnt how to use HTML tables to present SYIT course details in a structured format, while applying advanced CSS styling. I applied rowspan and colspan to merge cells, and styled the table using properties like border-style, padding, text-align, and background-image. This helped me understand how to visually organize complex information clearly and professionally.