EXPERIMENT NO 4

AIM: Understanding Tables, Tags and Attributes.

SOFTWARE USED: VS Code Compiler

THEORY:

A table is a structured set of data made up of rows and columns. Tables are widely used in communication, research, and data analysis, are useful for various tasks such as presenting text information and numerical data, can also be used to compare two or more items in the tabular form layout or to create databases. An HTML table is defined with the <table> tag.

- Each table row is defined with the <tr> tag.
- A table header is defined with the "th" tag which by default are bold and centered.
- A table data/cell is defined with the <td> tag which is used to represent actual data cell.
- Cellpadding and Cellspacing are attributes which are used to adjust the white space in the table cells. The Cellspacing attribute defines space between table cells, while Cellpadding represents the distance between cell borders and the content within a cell.
- Colspan attribute is used to merge two or more columns into a single column. Similarly, Rowspan attributeis used to merge two or more rows.
- bgcolor attribute is used to set background color for whole table or just for one cell.
- Table width and height can be set using width and height attributes. We can specify table width or height in terms of pixels or in terms of percentage of available screen area.
- The caption tag serves as a title or explanation for the table and it shows up at the top of the table.

HTML Lists are used to specify lists of information. All lists may contain one or more list elements. A list within another list is termed as nested list. If you want a bullet list inside a numbered list then such type of list will called as nested list.There are three different types of HTML lists: Ordered List or Numbered List (ol), Unordered List or Bulleted List (ul), Description List or Definition List (dl).
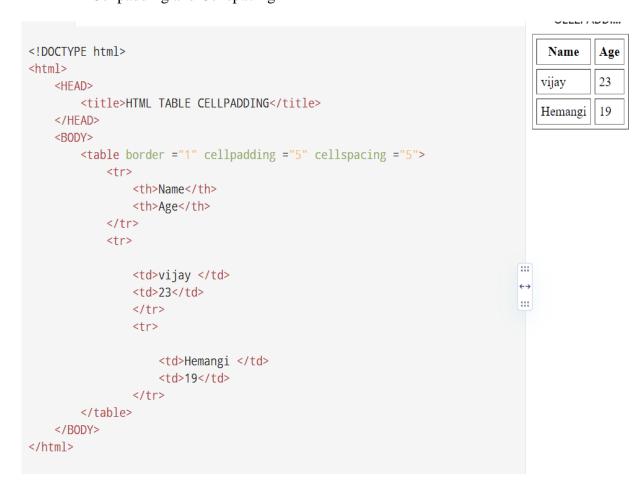
CONCLUSION: Thus, we created tables and lists with different tags and attributes.

Table Border

```html
<!DOCTYPE html>
<html>
    <HEAD>
        <title>HTML TABLES</title>
    </HEAD>
    <BODY>
        <table border ="1">
            <tr>
                <td>name</td>
                <td>Vijay </td>
                <td>Hemangi </td>
            </tr>
            <tr>
                <td>Roll no</td>
                <td>22</td>
                <td>09</td>
            </tr>
        </table>
    </BODY>
</html>
```

name	Vijay	Hemangi
Roll no	22	09

Cellpadding and Cellspacing

```html
<!DOCTYPE html>
<html>
    <HEAD>
        <title>HTML TABLE CELLPADDING</title>
    </HEAD>
    <BODY>
        <table border ="1" cellpadding ="5" cellspacing ="5">
            <tr>
                <th>Name</th>
                <th>Age</th>
            </tr>
            <tr>

                <td>vijay </td>
                <td>23</td>
            </tr>
            <tr>

                <td>Hemangi </td>
                <td>19</td>
            </tr>
        </table>
    </BODY>
</html>
```

Name	Age
vijay	23
Hemangi	19

Rowspan and Colspan

```html
<!DOCTYPE html>
<html>
    <HEAD>
        <title>HTML TABLE COLSPAN/ROWSPAN</title>
    </HEAD>
    <BODY>
        <table border ="5">
            <tr>
                <th>Branch</th>
                <th>Class</th>
                <th>Name</th>
            </tr>
            <tr>

                <td rowspan ="2"><b>Electronics</b></td>
                <td>ETRX-A</td>
                <td>Vijay</td>
                <tr>

                    <td>ETRX-A</td>
                    <td>Hemangi</td>
                </tr>
                <tr>
                    <td colspan ="3"><b>Batch-2</b></td>
                </tr>
        </table>
    </BODY>
</html>
```

Branch	Class	Name
Electronics	ETRX-A	Vijay
	ETRX-A	Hemangi
Batch-2		

Table Height and Width

```html
<!DOCTYPE html>
<html>
    <HEAD>
        <title>HTML TABLE WIDTH/HEIGHT</title>
    </HEAD>
    <BODY>
        <table border ="1" width ="400" height ="250">
                <th>Name</th>
                <th>Class</th>
            <tr>
                <td>ETRX-A</td>
                <td>Vijay</td>
            </tr>
            <tr>

            <td>ETRX-A</td>
            <td>Hemangi</td>
        </tr>

        </table>
    </BODY>
</html>
```

Name	Class
ETRX-A	Vijay
ETRX-A	Hemangi

Attendence of students	
Name	**Attendance(%)**
vijay	70
Hemangi	80

```
<!DOCTYPE html>
<html>
    <HEAD>
        <title>HTML TABLE Header</title>
    </HEAD>
    <BODY>
        <table border ="1">
            <caption>Attendence of students</caption>
            <tr>
                    <th>Name</th>
                    <th>Attendance(%)</th>
            </tr>
                <tr>
                    <td>vijay</td>
                    <td>70</td>
                </tr>
                <tr>

                    <td>Hemangi</td>
                    <td>80</td>
                </tr>

        </table>
    </BODY>
</html>
```

Table Caption

Name	**state**
Vijay	Haryana
Hemangi	Maharashtra

```
<!DOCTYPE html>
<html>
    <HEAD>
        <title>HTML TABLE Header</title>
    </HEAD>
    <BODY>
        <table border ="1">

            <tr>
                    <th>Name</th>
                    <th>state</th>
            </tr>
                <tr>
                    <td>Vijay</td>
                    <td>Haryana</td>
                </tr>
                <tr>

                <td>Hemangi</td>
                    <td>Maharashtra</td>
                </tr>

        </table>
    </BODY>
</html>
```

Lists

```html
1  <!DOCTYPE html>
2  <html>
3      <HEAD>
4          <title>list</title>
5      </HEAD>
6      <BODY>
7          <!--Ordered list start here-->
8          <h3> List of branches</h3>
9          <ol type="1">
10             <li>EXTC</li>
11             <li>Electronics </li>
12             <li>IT</li>
13         </ol>
14         <h3>LIST OF SUUBJECT FOR EXTC</h3>
15         <ul type ="disc">
16             <li>signal and system</li>
17             <li>Circuit Theory and Networks</li>
18             <li>Electronic Instrumentation and Control</li>
19         </ul>
20         <!--Nested list starts here -->
21         <h3>Practical labs</h3>
22         <ul>
23             <li>Linear Integrated Circuits Laboratory </li>
24             <li>Electronic Devices and Circuits I Laboratory</li>
25         </ul>
26
27     </BODY>
28 </html>
```

List of branches

1. EXTC
2. Electronics
3. IT

LIST OF SUUBJECT FOR EXTC

- signal and system
- Circuit Theory and Networks
- Electronic Instrumentation and Control

Practical labs

- Linear Integrated Circuits Laboratory
- Electronic Devices and Circuits I Laboratory

```html
<!DOCTYPE html >
<html>
<head>
  <title> Table Student details </title>
</head>
<body>
<table border="4" bordercolor="black" width="40%" height="40%" cellspacing="4" cellpadding="5"
bgcolor="light green"
align="centerwr">
<tr>
<th>Rollno</th>
<th> Name</th>
<th>Attendance(%) </th>
</tr>
<tr>
<td>1</td>
<td> vijay</td>
<td>80</td>
</tr>
<tr>
<td> 2</d>
<td>Hemangi</hd>
<td>90</td>
</tr>
<tr>
<td>3</td>
<td>swati</td>
<td>85</td>
</tr>
</table>
</body>
</html>
```

Rollno	Name	Attendance(%)
1	vijay	80
2	Hemangi	90
3	swati	85