NEPAL COLLEGE OF INFORMATION TECHNOLOGY

Balkumari, Lalitpur
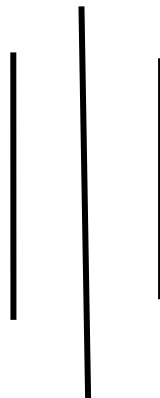
(Affiliated to Pokhara University)

A Lab Report

On

Subject: Web Technology

Lab Report: #2

Submitted by:

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Semester: 2nd

Submitted to:

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Department of Software

Engineering

Submission Date: 2024/06/02

Welcome to Web Technology

<u>Table of Contents:</u>

Theory:

Tables

1. HTML table tag is used to display data in tabular form (row *column). There can be many columns in a row.

2. We can create a table to display data in tabular form, using <table> element, with the help of <tr>, <td>, and <th> elements.

3. In Each table, table row is defined by <tr> tag, table header is defined by <th>, and table data is defined by <td> tags.

4. HTML tables are used to manage the layout of the page e.g. header section, navigation bar, body content, footer section etc. But it is recommended to use div tag over table to manage the layout of the page.

Cellpadding and cellspacing Attributes:

There are two attributes called cellpadding and cellspacing which you will use to adjust the white space in your table cells. The cellspacing attribute defines space between table cells, while cellpadding represents the distance between cell borders and the content within a cell.

Rowspan and colspan:

We use colspan attribute if we want to merge two or more columns into a single column. Similar way we use rowspan if we want to merge two or more rows.

Marquee tag:

Marquee is one of the important tags introduced in HTML to support such scrollable texts and images within a web page. The <marquee> tag is a container tag of HTML is implemented for creating scrollable text or images within a web page from either left to right or vice versa, or top to bottom or vice versa. But this tag has been deprecated in the new version of HTML, i.e., HTML 5.

Lab Report questions Solutions:

Question No. 1:

Example: Nested

CI	All Genders	By Gender	
		Males	Females
		9215604	4512358
Rural 6521458	4215389	4152348	

HTML Code:

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

```html
    <meta name="viewport" content="width=device-width,
initial-scale=1.0" />
    <title>Document</title>
    <style>
      td {
        text-align: center;
      }
    </style>
  </head>
  <body>
    Example: Nested
    <table border="" cellspacing="0">
      <tr>
        <th colspan="2" rowspan="2">CI</th>
        <th rowspan="2">
          All <br />
          Genders
        </th>
        <th>By Gender</th>
      </tr>
      <tr>
        <td>
          <table border="">
```

```
        <tr>
          <th>Males</th>
          <th>Females</th>
        </tr>
        <tr>
          <td>9215604</td>
          <td>4512358</td>
        </tr>
      </table>
    </td>
  </tr>
  <tr>
    <th>Rural</th>
    <td>6521458</td>
    <td>4215389</td>
    <td>4152348</td>
  </tr>
  </table>
 </body>
</html>
```

Question No. 2:

BCA	Total Sutdent		Inside Valley	Outside Valley
	Male	Female		
First Sem	20	20	60%	40%
Second Sem	25	25	50%	50%
Third Sem	10	10	70%	30%
Total				
	Male	Female	Inside Valley	Outside Valley
	55	55	60%	40%

HTML Code:

```
<!DOCTYPE html>
<html lang="en">
<head>
   <meta charset="UTF-8">
   <meta name="viewport" content="width=device-width,
initial-scale=1.0">
   <title>Document</title>
   <style>
     td{
       text-align: center;
     }
     .table-2{
       align-items: center;
     }
```

```html
    </style>
  </head>
<body>
  <table border="">
    <tr>
      <th rowspan="2">BCA</th>
      <th colspan="2">Total Sutdent</th>
      <th rowspan="2">Inside Valley</th>
      <th rowspan="2">Outside Valley</th>
    </tr>
    <tr>
      <th>Male</td>
      <th>Female</td>
    </tr>
    <tr>
      <td>First Sem</td>
      <td>20</td>
      <td>20</td>
      <td>60%</td>
      <td>40%</td>
    </tr>
    <tr>
      <td>Second Sem</td>
```

```html
      <td>25</td>
      <td>25</td>
      <td>50%</td>
      <td>50%</td>
    </tr>
    <tr>
      <td>Third Sem</td>
      <td>10</td>
      <td>10</td>
      <td>70%</td>
      <td>30%</td>
    </tr>
    <tr>
      <td colspan="5">
        <table border="" class="table-2" align="center">
          <caption>Total</caption>
          <tr>
            <th>Male</th>
            <th>Female</th>
            <th>Inside Valley</th>
            <th>Outside Valley</th>
          </tr>
          <tr>
```

```
            <td>55</td>
            <td>55</td>
            <td>60%</td>
            <td>40%</td>
        </tr>
        </table>
    </td>
</tr>


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

Question No. 3:

HTML code:

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

```html
  <link rel="stylesheet" href="que3.css" />
 </head>
 <body>
  <body>
   <p align="center">
    <a href="">NCIT</a><br />
    <b>Department of IT <br />EFFECTIVE FROM: 01-07-2022</b>
   </p>
   <table border="" align="center" cellpadding="15px" cellspacing="1px">
    <caption>
     Semester 3
     <span style="margin-left: 300px"
      >Class mentor: <a href="">Er: Simanta Kasaju</a></span
     >
    </caption>
    <tr>
     <th class="yellow">Day/Periods</th>
     <th class="pinkr">1 <br />6:30-730</th>
     <th class="pinkr">2 <br />7:30-8:30</th>
     <th class="pinkr">3 <br />8:30-9:00</th>
```

```html
    <th class="pinkr">5 <br />9:30-10:00</th>
    <th class="pinkr">6 <br />10:00-11:00</th>
    <th class="pinkr">7 <br />11:00-12:00</th>
  </tr>
  <tr>
    <td class="grey">Monday</td>
    <td class="aqua">Web Technology</td>
    <td class="green">DSA</td>
    <td class="red">Break</td>
    <td class="light-green">Java</td>
    <td class="blue">Probability</td>
    <td class="pink">SAD</td>
  </tr>
  <tr>
    <td class="grey">Tuesday</td>
    <td class="aqua" colspan="2">Web Technology</td>
    <td class="red">Break</td>
    <td class="light-green" colspan="2">Java</td>
    <td class="pink">SAD</td>
  </tr>
  <tr>
    <td class="grey">Wednesday</td>
    <td class="green" colspan="2">DSA</td>
```

```html
  <td class="red">Break</td>
  <td class="blue" colspan="2">Probability</td>
  <td class="pink">SAD</td>
</tr>
<tr>
  <td class="grey">Thursday</td>
  <td class="pink" colspan="2">SAD</td>
  <td class="red">Break</td>
  <td class="lg" colspan="3">Java/Web tech lab</td>
</tr>
<tr>
  <td class="grey">Friday</td>
  <td class="pinkr" colspan="2">Extra Cirriculum</td>
  <td class="red">Break</td>
  <td class="lg" colspan="3">DSA/Web tech lab</td>
</tr>
<tr>
  <th class="grey">Saturday</th>
  <td class="aqua">Web Technology</td>
  <td class="green">DSA</td>
  <td class="red">Break</td>
  <td class="light-green">Java</td>
  <td class="blue">Probability</td>
```
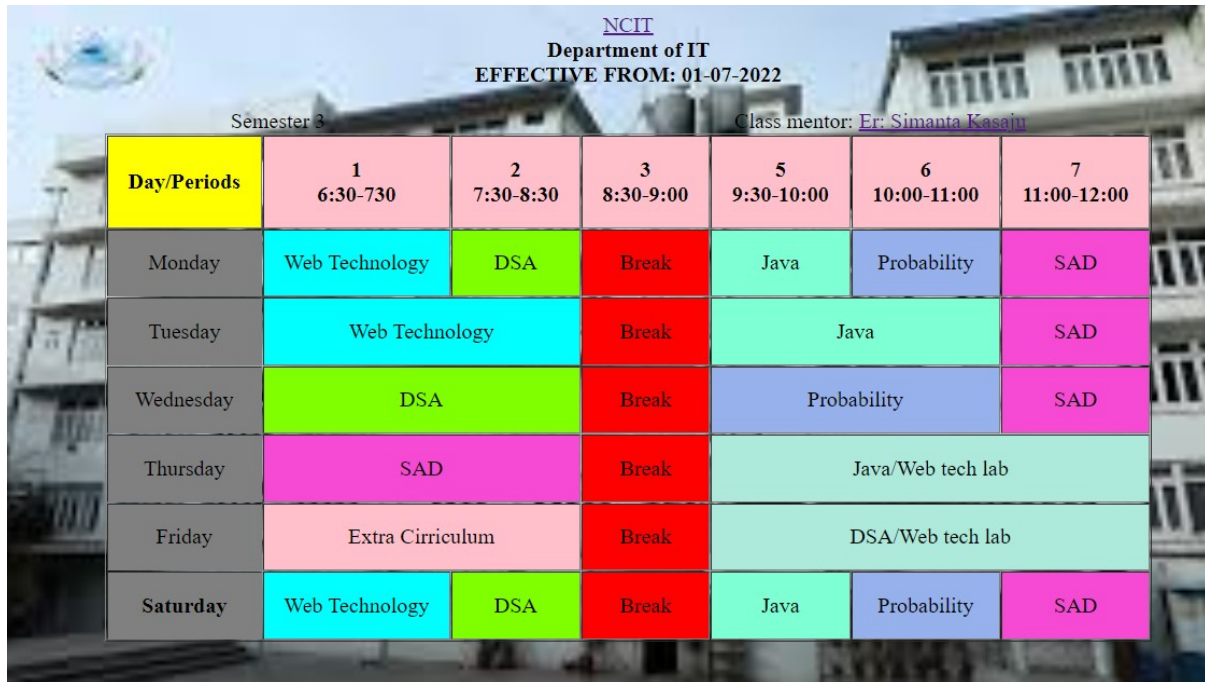
```html
    <td class="pink">SAD</td>
  </tr>
 </table>
  </body>
 </body>
</html>
```

CSS Code:

```css
body{
   background-image: url(/images/ncit.jpg);
   background-repeat: no-repeat;
   background-size: cover;
}
td{
   text-align: center;
}
.yellow{
   background-color: yellow;
}
.pinkr{
   background-color: pink;
}
.pink{
```

```css
        background-color: rgb(246, 74, 212);
    }
    .red{
        background-color: red;
    }
    .grey{
        background-color: grey;
    }
    .blue{
        background-color: rgb(151, 177, 236);
    }
    .aqua{
        background-color: aqua;
    }
    .light-green{
        background-color: aquamarine;
    }
    .green{
        background-color: chartreuse;
    }
    .lg{
        background-color: rgb(173, 234, 220);
    }
```

Output:

Question No. 4:

HTML Code:

```
<!DOCTYPE html>
<html lang="en">
<head>
    <meta charset="UTF-8">
    <meta name="viewport" content="width=device-width,
initial-scale=1.0">
    <title>Document</title>
</head>
<body>
    <table border=""  cellpadding="20px" width="1000px">
```

```html
        <tr style="background-color: rgb(243, 204, 131);">
          <th>Category</th>
          <th>Images</th>
          <th>List</th>
          <th>Table</th>
        </tr>
        <tr style="background-color: rgb(239, 216, 169);">
          <th>Players</th>
          <td>
            <img src="/images/dhoni.jpg" alt="" height="200px"><br>
            <img src="/images/ronaldo.jpg" alt="" height="200px">
          </td>
          <td>
            1.Dhoni <br>
            2.Ronaldo
          </td>
          <td>
            <table border="">
              <tr>
                <th>Name</th>
                <th>DOB</th>
```

```html
        <th>Famous <br>For</th>
      </tr>
      <tr>
        <th>Mahindra <br>Singh <br>Dhoni</th>
        <th>1981</th>
        <th>Cricket</th>
      </tr>
      <tr>
        <td>Cristiano <br>Ronaldo</td>
        <td>1985</td>
        <td>Football</td>
      </tr>
    </table>
  </td>
</tr>
<tr style="background-color: rgb(247, 208, 247);">
  <th>Food</th>
  <td>
    <img src="/images/burger.jpg" alt=""
height="200px">
    <br><img src="/images/pizza.jpg" alt=""
height="200px">
  </td>
```

```html
    <td>
      <ul>
        <li>Burger</li>
        <li>Pizza</li>
      </ul>
    </td>
    <td>
      <table border="">
        <tr>
          <th>Name</th>
          <th>Price</th>
        </tr>
        <tr>
          <td>Burger</td>
          <td>250</td>
        </tr>
        <tr>
          <td>Pizza</td>
          <td>340</td>
        </tr>
      </table>
    </td>
  </tr>
```

```html
<tr style="background-color:rgb(156, 241, 241);">
    <td>Movies</td>
    <td>
        <img src="/images/hrithik.jpg"height="200px" alt=""><br>
        <img src="/images/shah rukh.jpg" alt="" height="200px">
    </td>
    <td>
        <ol type="a">
            <li>Hrithik Roshan</li>
            <li>Shah Rukh Khan</li>
        </ol>
    </td>
    <td>
        <table border="">
            <tr>
                <th>Name</th>
                <th>DOB</th>
                <th>Film <br>Name</th>
            </tr>
            <tr>
                <td>Hrithik Roshan</td>
```

```
            <td>1974</td>
            <td>War</td>
          </tr>
          <tr>
            <td>Shah Rukh Khan</td>
            <td>1965</td>
            <td>Pathan</td>
          </tr>
        </table>
      </td>
    </tr>
  </table>
</body>
</html>
```

Output:

Category	Images	List	Table
Players		1.Dhoni 2.Ronaldo	<table><tr><th>Name</th><th>DOB</th><th>Famous For</th></tr><tr><td>Mahindra Singh Dhoni</td><td>1981</td><td>Cricket</td></tr><tr><td>Cristiano Ronaldo</td><td>1985</td><td>Football</td></tr></table>
Food		• Burger • Pizza	<table><tr><th>Name</th><th>Price</th></tr><tr><td>Burger</td><td>250</td></tr><tr><td>Pizza</td><td>340</td></tr></table>
Movies		a. Hrithik Roshan b. Shah Rukh Khan	<table><tr><th>Name</th><th>DOB</th><th>Film Name</th></tr><tr><td>Hrithik Roshan</td><td>1974</td><td>War</td></tr><tr><td>Shah Rukh Khan</td><td>1965</td><td>Pathan</td></tr></table>

Question No. 5

Top 5 richest people

1.Jeff Bezos

- Age:57
- Residence:Seattle
- Founder and CEO: Amazon
- Net worth: $177 billion

Want to know more about
Jeff Bezos

2.Elon Musk

- Age:49
- Residence: Austin, Texas
- Cofounder and CEO: Tesla
- Net worth: $151 billion

Want to know more about
Elon Musk

3.Bernard Arnault

- Age:72
- Residence: Paris
- Founder and CEO: LVMH
- Net worth: $150 billion

Want to know more about
Bernard Arnault

4.Bill Gates

- Age: 65
- Residence: Medina Wash
- Founder and CEO: Microsoft Corp.
- Net worth: $124 billion

Want to know more about
Bill Gates

5.Mark Zuckerberg

- Age: 40
- Residence: Palo Alto
- Founder and CEO: Facebook
- Net worth: $167.8 billion

Want to know more about
Mark Zuckerberg

HTML Code:

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

```html
  <head>
    <meta charset="UTF-8" />
    <meta name="viewport" content="width=device-width,
initial-scale=1.0" />
    <title>Document</title>
    <style>
        .about{
    display: flex;
}
i{
    margin-left: 400px;
    color: red;
}
.title{
    margin-left: 50px;
    font-weight: bold;
}
img{
    height:70px;
    width: 70px;
}
.photo-text{
    display:flex;
```

```
}
.want-to-know{
   margin-left: 100px;
}
   </style>
  </head>
  <body>
    <h1><i>Top 5 richest people</i></h1>
    <div class="main">
      <p class="title">1.Jeff Bezos</p>
      <div class="about">
        <div class="photo-text">
          <div class="photo">
            <marquee behavior="scroll" direction="left">
              <img src="/images/jeff.jpg" alt="" />
            </marquee>
          </div>
          <div class="text">
            <ul>
              <li>Age:57</li>
              <li>Residence:Seattle</li>
              <li>Founder and CEO: Amazon</li>
              <li>Net worth: $177 billion</li>
```

```
      </ul>
     </div>
    </div>
    <div class="want-to-know">
     <p>
       <b>Want to know more about</b><br />
       <a
href="https://en.wikipedia.org/wiki/Jeff_Bezos">Jeff
Bezos</a>
      </p>
     </div>
   </div>
   <p class="title">2.Elon Musk</p>
   <div class="about">
    <div class="photo-text">
     <div class="photo">
       <marquee behavior="scroll" direction="left">
        <img src="/images/elon.jpg" alt="" />
       </marquee>
     </div>
     <div class="text">
      <ul>
        <li>Age:49</li>
```

```
        <li>Residence: Austin, Texas</li>
        <li>Cofounder and CEO: Tesla</li>
        <li>Net worth: $151 billion</li>
      </ul>
    </div>
  </div>
  <div class="want-to-know">
    <p>
      <b>Want to know more about</b><br />
      <a
href="https://en.wikipedia.org/wiki/Elon_Musk">Elon
Musk</a>
    </p>
  </div>
</div>
<p class="title">3.Bernard Arnault</p>
<div class="about">
  <div class="photo-text">
    <div class="photo">
      <marquee behavior="scroll" direction="left">
        <img src="/images/bernard.jpg" alt="" />
      </marquee>
    </div>
```

```
    <div class="text">
     <ul>
       <li>Age:72</li>
       <li>Residence: Paris</li>
       <li>Founder and CEO: LVMH</li>
       <li>Net worth: $150 billion</li>
     </ul>
    </div>
   </div>
   <div class="want-to-know">
    <p>
      <b>Want to know more about</b><br />
      <a
href="https://en.wikipedia.org/wiki/Bernard_Arnault"
       >Bernard Arnault</a
      >
    </p>
   </div>
  </div>
  <p class="title">4.Bill Gates</p>
  <div class="about">
   <div class="photo-text">
    <div class="photo">
```

```html
        <marquee behavior="scroll" direction="left">
          <img src="/images/bill.jpg" alt="" />
        </marquee>
      </div>
      <div class="text">
        <ul>
          <li>Age: 65</li>
          <li>Residence: Medina Wash</li>
          <li>Founder and CEO: Microsoft Corp.</li>
          <li>Net worth: $124 billion</li>
        </ul>
      </div>
    </div>
    <div class="want-to-know">
      <p>
        <b>Want to know more about</b><br />
        <a
href="https://en.wikipedia.org/wiki/Bill_Gates">Bill
Gates</a>
      </p>
    </div>
  </div>
  <p class="title">5.Mark Zuckerberg</p>
```

```
<div class="about">
  <div class="photo-text">
    <div class="photo">
      <marquee behavior="scroll" direction="left">
        <img src="/images/mark.jpg" alt="" />
      </marquee>
    </div>
    <div class="text">
      <ul>
        <li>Age: 40</li>
        <li>Residence: Palo Alto</li>
        <li>Founder and CEO: Facebook</li>
        <li>Net worth: $167.8 billion</li>
      </ul>
    </div>
  </div>
  <div class="want-to-know">
    <p>
      <b>Want to know more about</b><br />
      <a href="https://www.forbes.com/profile/mark-zuckerberg/"
        >Mark Zuckerberg</a
      >
```

```
        </p>
      </div>
    </div>
  </div>
  </body>
</html>
```

Thank You!