

Lab Report – BIM 3rd Semester – Web Technology I

Create a simple HTML page with a title, heading, and paragraph.

Source Code:

```
<!DOCTYPE html>
<html>
  <head>
    <title>First Question</title>
  </head>
  <body>
    <h1>Heading</h1>
    <p>This is First Paragraph</p>
    <p>This is Second Paragraph</p>
  </body>
</html>
```

Add a horizontal line and line break in your page.

Source Code:

```
<!DOCTYPE html>
<html>
  <head>
    <title>Second Question</title>
  </head>
  <body>
    <h3>Horizontal Line & Line Break Demo</h3>
    <hr>
    <p>I am Ashesh Neupane <br> Student of BIM <br> Shanker Dev Campus </p>
  </body>
</html>
```

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Write an HTML code to demonstrate different level of Headings.

Source Code:

```
<!DOCTYPE html>
<html>
  <head>
    <title>Different Levels of Headings</title>
  </head>
  <body>
    <h1>Heading 1</h1>
    <h2>Heading 2</h2>
    <h3>Heading 3</h3>
    <h4>Heading 4</h4>
    <h5>Heading 5</h5>
    <h6>Heading 6</h6>
  </body>
</html>
```

Create a page that displays your name, address, and email using proper HTML tags.

Source Code:

```
<!DOCTYPE html>
<html>
  <head>
    <title>Contact Information</title>
  </head>
  <body>
    <h1>Contact Information</h1>
    <p><b>Name: </b>Ashesh Neupane</p>
    <p><b>Address: </b>Kathmandu, Nepal</p>
    <p><b>Email: </b><a href="mailto:ashesh@highapproach.com">ashesh@highapproach.com</a></p>
  </body>
</html>
```

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Write a program to format text using , <i>, <u>, <s>, <tt>, <sup>, <sub>, <big> and <small>.

Source Code:

```
<!DOCTYPE html>
<html>
  <head>
    <title>Format Text</title>
  </head>
  <body>
    <p><b>Bold</b></p>
    <p><i>Italic</i></p>
    <p><u>Underline</u></p>
    <p><b>Entry Fee: </b><s>1999</s> Free</p>
    <p><tt>Using tt tag</tt></p>
    <p>(a+b)<sup>2</sup></p>
    <p>Water = H<sub>2</sub>O</p>
    <p><big>Use of big tag</big></p>
    <p><small>Use of small tag</small></p>
  </body>
</html>
```

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Write an HTML code to demonstrate the following phrase elements(, , <blockquote>, <cite>, <q>, <abbr>, <acronym>, <dfn>, <code>, <kbd>, <var>, <samp>, and <address>).

Source Code:

```
<!DOCTYPE html>

<html>

<head>

  <title>Phrase Elements Demonstration</title>

</head>

<body>

  <p><em>Emphasized text</em></p>

  <p><strong>Using Strong</strong></p>

  <blockquote>"Welcome to my website asheshneupane.com.np"</blockquote>

  <p><cite>ASHESHNEUPANE.COM.NP</cite> - A website for BIM Study Notes</p>

  <p>Dipeen Dahal said, <q>I am a student of Shanker Dev Campus.</q></p>

  <p><abbr title="Khadga Prasad Sharma Oli">K.P. Sharma Oli</abbr> is the Prime Minister of Nepal.</p>

  <p><acronym title="Bachelors of Information Management">BIM</acronym> Notes are widely available in Ashesh Neupane's Website.</p>

  <p><dfn title="Shanker Dev Campus">SDC</dfn> is constituent college of Tribhuvan University.</p>

  <p><b>Java Code:</b> <code>System.out.print("Ashesh Neupane");</code></p>

  <p>Press <kbd>Ctrl</kbd> + <kbd>C</kbd> to copy.</p>

  <p>Area of Rectangle: <var>l</var>x<var>b</var></p>

  <p>404 Error <samp>Sorry! This Page is currently unavailable</samp></p>

  <address>

    Ashesh Neupane<br>

    Kathmandu<br>

    Nepal<br>

    Email: <a href="mailto:ashesh@highapproach.com">ashesh@highapproach.com</a>

  </address>

</body>

</html>
```

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Write an HTML code to demonstrate <pre> tag.

Source Code:

```
<!DOCTYPE html>
<html>
  <head>
    <title>Pre Tag Demo</title>
  </head>
  <body>
    <b>Example of Loop:</b>
    <pre>
      for(int i=0;i<=5;i++) {
        System.out.println("Ashesh Neupane");
      }
    </pre>
  </body>
</html>
```

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Write an HTML code to demonstrate ordered, unordered and definition list.

Source Code:

```
<!DOCTYPE html>
<html>
  <head>
    <title>List Demo</title>
  </head>
  <body>
    <h1>Ordered List</h1>
    <p><b>BIM Colleges in KTM:</b></p>
    <ol type="1">
      <li>Shanker Dev Campus</li>
      <li>Nepal Commerce Campus</li>
      <li>Orchid College</li>
    </ol>
    <p><b>BBA Colleges in KTM:</b></p>
    <ol type="A">
      <li>Shanker Dev Campus</li>
      <li>Nepal Commerce Campus</li>
      <li>Patan Multiple Campus</li>
    </ol>
    <p><b>BBM Colleges in KTM:</b></p>
    <ol type="I">
      <li>Shanker Dev Campus</li>
      <li>Nepal Commerce Campus</li>
      <li>Prime College</li>
    </ol>
    <h1>Unordered List</h1>
    <p><b>BIM Colleges in KTM:</b></p>
    <ul type="disc">
      <li>Shanker Dev Campus</li>
```

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```
<li>Nepal Commerce Campus</li>
<li>Orchid College</li>
</ul>
<p><b>BBA Colleges in KTM:</b></p>
<ul type="square">
  <li>Shanker Dev Campus</li>
  <li>Nepal Commerce Campus</li>
  <li>Patan Multiple Campus</li>
</ul>
<p><b>BBM Colleges in KTM:</b></p>
<ul type="circle">
  <li>Shanker Dev Campus</li>
  <li>Nepal Commerce Campus</li>
  <li>Prime College</li>
</ul>
<h1>Definition List</h1>
<dl>
  <dt>SDC</dt>
  <dd>Shanker Dev Campus - Located in Putalisadak</dd>
  <dt>NCC</dt>
  <dd>Nepal Commerce Campus - Located in New Baneshwor</dd>
</dl>
</body>
</html>
```

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Create a nested list using both ordered and unordered list.

Source Code:

```
<!DOCTYPE html>
<html>
  <head>
    <title>Nested List</title>
  </head>
  <body>
    <h1>Nested List</h1>
    <ol type="1">
      <li>Tribhuvan University
        <ul type="disc">
          <li>Faculty of Management
            <ul type="square">
              <li>Office of the Dean
                <ol type="a">
                  <li>Dean</li>
                  <li>Assistant Dean</li>
                  <li>Other Staffs</li>
                </ol>
              </li>
              <li>Shanker Dev Campus
                <ol type="a">
                  <li>Campus Chief</li>
                  <li>Assistant Campus Chief</li>
                  <li>Program Director</li>
                  <li>Professors</li>
                  <li>Associate Professors</li>
                  <li>Lecturers</li>
                </ol>
              </li>
            </ul>
          </li>
        </ul>
      </li>
    </ol>
```

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```
</ul>
</li>
</ul>
</li>
</ol>
</body>
</html>
```

Add a hyperlink to another website using <a> tag.

Source Code:

```
<!DOCTYPE html>
<html>
<head>
  <title>Hyperlink Example</title>
</head>
<body>
  <h1>Hyperlink Example</h1>
  <p>Click below to view BIM Notes:</p>
  <a href="https://www.asheshneupane.com.np/bim">Link 1</a> <br> <br>
  <a href="https://www.highapproach.com/bim">Link 2</a>
</body>
</html>
```

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Create an image gallery using and <a> tags.

Source Code:

```
<!DOCTYPE html>
<html>
<head>
  <title>Image Gallery</title>
</head>
<body>
  <h1>Image Gallery</h1>
  <p>Click on an image to view it in full size.</p>
  <a href="image1.jpg">
    
  </a>
  <a href="image2.jpg">
    
  </a>
  <a href="image3.jpg">
    
  </a>
  <a href="image4.jpg">
    
  </a>
</body>
</html>
```

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Make an image clickable and open a new webpage when clicked.

Source Code:

```
<!DOCTYPE html>
<html>
<head>
  <title>Clickable Image</title>
</head>
<body>
  <h1>Clickable Image Example</h1>
  <p>Click the image below to view BIM Study Notes:</p>
  <a href="https://www.asheshneupane.com.np/bim">
    
  </a>
</body>
</html>
```

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Create a webpage that links to different sections using anchor links.

Source Code:

```
<!DOCTYPE html>
<html>
<head>
  <title>Anchor Links Example</title>
</head>
<body>
  <h1>Webpage with Anchor Links</h1>
  <p>Click the links below to jump to different sections:</p>
  <ul>
    <li><a href="#section1">Go to Section 1</a></li>
    <li><a href="#section2">Go to Section 2</a></li>
    <li><a href="#section3">Go to Section 3</a></li>
    <li><a href="#section4">Go to Section 4</a></li>
  </ul>
  <h2 id="section1">Section 1</h2>
  <p>This is the content of Section 1.</p>
  <a href="#top">Back to Top</a>
  <h2 id="section2">Section 2</h2>
  <p>This is the content of Section 2.</p>
  <a href="#top">Back to Top</a>
  <h2 id="section3">Section 3</h2>
  <p>This is the content of Section 3.</p>
  <a href="#top">Back to Top</a>
  <h2 id="section4">Section 4</h2>
  <p>This is the content of Section 4.</p>
  <a href="#top">Back to Top</a>
</body>
</html>
```

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Embed a video and an audio file in your webpage.

Source Code:

```
<!DOCTYPE html>
<html>
<head>
  <title>Video and Audio</title>
</head>
<body>
  <h1>Video and Audio Example</h1>
  <h2>Video</h2>
  <video src="an.mp4" width="500" controls></video>
  <h2>Audio</h2>
  <audio src="an.mp3" controls></audio>
</body>
</html>
```

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Design an HTML Table with Student Details (S.N. , Name, Roll No. , Marks, Remarks).

Source Code:

```
<!DOCTYPE html>
<html>
  <head>
    <title>Student Details</title>
  </head>
  <body>
    <center>
      <h2>Student Details</h2>
      <table border="">
        <thead>
          <th>S.N.</th>
          <th>Name</th>
          <th>Roll No.</th>
          <th>Marks</th>
          <th>Remarks</th>
        </thead>
        <tbody>
          <tr>
            <td>1</td>
            <td>Ashesh Neupane</td>
            <td>16295</td>
            <td>88</td>
            <td>Pass</td>
          </tr>
          <tr>
            <td>2</td>
            <td>Bishow Raj Saru Magar</td>
            <td>16299</td>
```

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```
<td>95</td>
<td>Pass</td>
</tr>
<tr>
<td>3</td>
<td>Nishant Lamichhane</td>
<td>16323</td>
<td>97</td>
<td>Pass</td>
</tr>
<tr>
<td>4</td>
<td>Parbat Adhikari</td>
<td>16324</td>
<td>99</td>
<td>Pass</td>
</tr>
<tr>
<td>5</td>
<td>Sanyam Kothari</td>
<td>16335</td>
<td>100</td>
<td>Pass</td>
</tr>
</tbody>
</table>
</center>
</body>
</html>
```

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Write an HTML code to demonstrate rowspan and colspan.

Source Code:

```
<!DOCTYPE html>
<html>
  <head>
    <title>Rowspan and Colspan</title>
  </head>
  <body>
    <table border="">
      <thead>
        <th colspan="4">BIM 3rd Sem Result Ledger 2025</th>
      </thead>
      <tbody>
        <tr>
          <td colspan="2"><b>Section A</b></td>
          <td colspan="2"><b>Section B</b></td>
        </tr>
        <tr>
          <td><b>Student Name</b></td>
          <td><b>Remarks</b></td>
          <td><b>Student Name</b></td>
          <td><b>Remarks</b></td>
        </tr>
        <tr>
          <td>Ashesh</td>
          <td rowspan="2">Pass</td>
          <td>Raghu</td>
          <td rowspan="2">Pass</td>
        </tr>
        <tr>
          <td>Bishow</td>
```

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```
<td>Manish</td>
</tr>
<tr>
<td>Ram</td>
<td rowspan="2">Fail</td>
<td>Gopal</td>
<td rowspan="2">Fail</td>
</tr>
<tr>
<td>Shyam</td>
<td>Pratik</td>
</tr>
</tbody>
</table>
</body>
</html>
```

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Create a contact form with input fields for name, email, Gender, Age, Country, Skills and comments. Also include a submit and a reset button.

Source Code:

```
<!DOCTYPE html>

<html>

<head>

  <title>Contact Form</title>

</head>

<body>

  <h1>Contact Form</h1>

  <form>

    Name:

    <input type="text" name="name" placeholder="Full Name">

    <br><br>

    Email:

    <input type="email" name="email" placeholder="email@example.com">

    <br><br>

    Gender:

    <input type="radio" name="gender">Male

    <input type="radio" name="gender">Female

    <input type="radio" name="gender">Other

    <br><br>

    Age:

    <input type="number" name="Age" placeholder="Age">

    <br><br>

    Country:

    <select>

      <option>Nepal</option>

      <option>India</option>

      <option>Others (Please Specify in Comment)</option>

    </select>
```

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Skills:

<input type="checkbox" name="skills">Reading

<input type="checkbox" name="skills">Writing

<input type="checkbox" name="skills">Listening

<input type="checkbox" name="skills">Speaking

Comments:

<textarea id="textarea" rows="10" cols="40" placeholder="Enter Your Comments ...">

</textarea>

<input type="submit">

<input type="reset">

</form>

</body>

</html>

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Create a webpage using <header>, <footer>, <nav>, <article>, <section>, <aside>.

Source Code:

```
<!DOCTYPE html>

<html>

  <head>

    <title>Webpage Example</title>

  </head>

  <body>

    <header>

      <h1>Welcome to the Website</h1>

      <p>Curosimy Meets Knowledge</p>

    </header>

    <nav>

      <ul>

        <li><a href="https://www.asheshneupane.com.np">Home</a></li>

        <li><a href="https://www.asheshneupane.com.np/about">About</a></li>

        <li><a href="https://www.asheshneupane.com.np/bim">Study Notes</a></li>

        <li><a href="https://www.asheshneupane.com.np/contact">Contact</a></li>

      </ul>

    </nav>

    <main>

      <article>

        <h2>About Me</h2>

        <p>Welcome to my website! I'm Ashesh Neupane, currently pursuing a Bachelor of Information Management (BIM) at Tribhuvan University.</p>

      </article>

      <section>

        <h2>Our Services</h2>

        <p>We offer helpful study materials for BIM student and IT Students for Free</p>

      </section>

      <aside>
```

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```
<h2>Related Links</h2>

<ul>

  <li><a href="https://www.highapproach.com">HighApproach Website</a></li>

  <li><a href="https://www.asheshneupane.com.np/blog">Blog</a></li>

</ul>

</aside>

</main>

<footer>

  <p>&copy; 2025 Ashesh Neupane</p>

</footer>

</body>

</html>
```

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Display an interactive map using <iframe>.

Source Code:

```
<!DOCTYPE html>

<html>

<head>

  <title>Interactive Map</title>

</head>

<body>

  <h1>Interactive Map Example</h1>

  <p>Here is an embedded Google Map:</p>

  <iframe
src="https://www.google.com/maps/embed?pb=!1m18!1m12!1m3!1d3532.445950005648!2d85.31923517424914!3
d27.703514176184697!2m3!1f0!2f0!3f0!3m2!1i1024!2i768!4f13.1!3m3!1m2!1s0x39eb19a851d21aa7%3A0x1514f
22a42153099!2z4KS24KSC4KSV4KSw4KSm4KWH4KS1IOckleCljeCkr-
CkvuCkruCljeCkquCkuA!5e0!3m2!1sne!2snp!4v1742308980613!5m2!1sne!2snp" width="600" height="450"
style="border:0;" allowfullscreen="" loading="lazy" referrerpolicy="no-referrer-when-downgrade"></iframe>

  </body>

</html>
```

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Embed a youtube video using <iframe>

Source Code:

```
<!DOCTYPE html>
<html>
  <head>
    <title>Embedded YouTube Video</title>
  </head>
  <body>
    <h1>Watch this YouTube Video!</h1>
    <!-- Embed YouTube Video with Correct Video ID -->
    <iframe width="560" height="315" src="https://www.youtube.com/embed/Kb_3t520l9k" frameborder="0"
allow="autoplay; encrypted-media" allowfullscreen></iframe>
  </body>
</html>
```