

Core HTML

Assignment

QUESTION 1. Build a simple webpage that displays text ?

ANSWER :

PROGRAM :

```
<!DOCTYPE html>
<html >
<head>
  <title>document</title>

</head>
<body>
  <b>this text is bolded</b> <br>
  <i>this text is italic</i><br>
  <u>this text is underlined</u><br>
  <span style="background-color: blue;">this text is highlighted</span><br>
  <small>this text is normal text<sup>this text is super scripted</sup></small><br>
  <small>this text is normal text<sub>this text is super scripted</sub></small><br>
  <small>this text is normal text</small> <br>
  <s>this text will be deleted</s>
</body>
</html>
```

QUESTION 2. Build a simple webpage that displays the table ?

ANSWER :

PROGRAM :

```
<!DOCTYPE html>
<html >
<head>
  <title>document</title>

</head>
<body>
```

```

<table border="10px" style="width: 100%;>
  <tr>
    <td align="center" height="50" width="50"><B style="text-align: center;">SI NO</B></td>
    <td align="center" height="50" width="50"><b style="text-align: center;">NAME</b></td>
    <td align="center" height="50" width="50"><B>COURSE</B></td>
    <td align="center" height="50" width="50"><B>EMAIL</B></td>
  </tr>
  <tr>
    <td align="center" height="50" width="50">1</td>
    <td align="center" height="50" width="50">aarav sharma</td>
    <td align="center" height="50" width="50">FSWD</td>
    <td align="center" height="50" width="50">aarav.sharma@gmail.com</td>
  </tr>
  <tr>
    <td align="center" height="50" width="50">2</td>
    <td align="center" height="50" width="50">diya patel</td>
    <td align="center" height="50" width="50">FSDS</td>
    <td align="center" height="50" width="50">Diya.patel@gmail.com</td>
  </tr>
  <tr>
    <td align="center" height="50" width="50">3</td>
    <td align="center" height="50" width="50">aryan singh</td>
    <td align="center" height="50" width="50">DSA and JAVA</td>
    <td align="center" height="50" width="50">aryan.singh@gmail.com</td>
  </tr>
  <tr>
    <td align="center" height="50" width="50">4</td>
    <td align="center" height="50" width="50">avni gupta</td>
    <td align="center" height="50" width="50">FSWD</td>
    <td align="center" height="50" width="50">avni.gupta@gmail.com</td>
  </tr>
  <tr>
    <td align="center" height="50" width="50">5</td>
    <td align="center" height="50" width="50">rohan mehta</td>
    <td align="center" height="50" width="50">FSWD</td>
    <td align="center" height="50" width="50">rohan.gupta@gmail.com</td>
  </tr>
  <tr>
    <td align="center" height="50" width="50">6</td>
    <td align="center" height="50" width="50">parisha verma</td>
    <td align="center" height="50" width="50">DSA with JAVA</td>
    <td align="center" height="50" width="50">parisha.verma@gmail.com</td>
  </tr>
  <tr>

```

```

        <td align="center" height="50" width="50">7</td>
        <td align="center" height="50" width="50">arnav choudhary</td>
        <td align="center" height="50" width="50">FSWD</td>
        <td align="center" height="50" width="50">arnav.choudhary@gmail.com</td>
    </tr>
    <tr>
        <td align="center" height="50" width="50">8 </td>
        <td align="center" height="50" width="50">ishaan patel</td>
        <td align="center" height="50" width="50">FSDS</td>
        <td align="center" height="50" width="50">ishaan.patel@gmail.com</td>
    </tr>
    <tr>
        <td align="center" height="50" width="50">9</td>
        <td align="center" height="50" width="50">siya singh</td>
        <td align="center" height="50" width="50">FSDS</td>
        <td align="center" height="50" width="50">siya.singh@gmail.com</td>
    </tr>
</table>

</body>
</html>

```

QUESTION 3. build a simple webpage that displays the table shown below?

ANSWER :

PROGRAM :

```

<!DOCTYPE html>
<html>
<head>
    <title>document</title>

</head>
<body>
    <table border="10px">
        <tr>
            <td>roduct</td>
            <td colspan="2">flavors and quantity</td>

        </tr>
        <tr>
            <td colspan="3">dairy</td>

```

```
</tr>
<tr>
  <td rowspan="3">ice cream</td>
  <td>vanilla</td>
  <td>500g</td>
</tr>
<tr>

  <td>chocolate</td>
  <td>250g</td>
</tr>
<tr>

  <td>butter scotch</td>
  <td>1 kg</td>
</tr>
<tr>
  <td colspan="3">beverages</td>

</tr>
<tr>
  <td rowspan="3">soda</td>
  <td>cola</td>
  <td>0.5L</td>

</tr>
<tr>
  <td>orange</td>
  <td>1L</td>

</tr>
<tr>
  <td>lime</td>
  <td>2L</td>

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

QUESTION 4.Build a simple blog web page with 3 pages home, web development, and web design. Each page must contain hyperlinks to other pages in the top, a heading of the page topic and a paragraph of information. or home page you can add some information about yourself=?

ANSWER :

PROGRAM 1:

```
<html >
<head>

    <title>Document</title>
    <a href="A2-4-2.HTML">WEB DEVELOPMENT</a><BR>

    <a href="A2-4-3.HTML">WEB DESIGN</a>

</head>
<body>
    <H1><b>welcome to sigma 2.0</b></H1>
    <small>Lorem ipsum dolor sit, amet consectetur adipisicing elit. Perspiciatis laborum
    similique deleniti. Ipsum hic est, ratione obcaecati, corrupti iusto laborum iste maxime
    consequatur itaque quo facilis. Quis minima dolor inventore laboriosam porro doloribus alias
    corporis ipsam perferendis! Repudiate, voluptate consequuntur ratione similique consectetur
    eveniet error nam temporibus adipisci hic praesentium natus quod at fuga earum, suscipit optio
    debitis. Quidem voluptate ipsum, libero eos quo reprehenderit. At nesciunt illo dicta obcaecati
    perferendis rem reprehenderit cum ut sit quia beatae, libero praesentium repellendus nulla
    cupiditate nostrum quas natus soluta, nemo molestias, odio explicabo eius. Enim quo rerum
    vero ducimus, hic voluptates commodi!</small>
    <!-- SAVE THIS PROGRAM AS A2-4-1.HTML -->
</body>
</html>
```

PROGRAM 2:

```
<html >
<head>

    <title>Document</title>
    <a href="A2-4-1.HTML">HOME PAGE</a><BR>

    <a href="A2-4-3.HTML">WEB DESIGN</a>

</head>
```

```

<body>
  <H1><b>WEB DEVELOPMENT</b></H1>
  <SMALL>Lorem, ipsum dolor sit amet consectetur adipisicing elit. Labore iusto doloribus
dolor quo ab iste enim eius odio, voluptates exercitationem ratione. Accusamus iusto quaerat
magnam dolores nemo sit a, quos mollitia placeat excepturi corporis repudiandae
necessitatibus consequatur enim doloribus provident soluta, magni voluptatibus vel
inventore?</SMALL>
  <!-- SAVE THIS PROGRAM AS A2-4-2.HTML -->
</body>
</html>

```

PROGRAM 3:

```

<html >
<head>

  <title>Document</title>
  <a href="A2-4-1.HTML">HOME PAGE</a><BR>

  <a href="A2-4-2.HTML">WEB DESIGN</a>

</head>
<body>
  <H1><b>WEB DESIGN</b></H1>
  <SMALL>Lorem, ipsum dolor sit amet consectetur adipisicing elit. Labore iusto doloribus
dolor quo ab iste enim eius odio, voluptates exercitationem ratione. Accusamus iusto quaerat
magnam dolores nemo sit a, quos mollitia placeat excepturi corporis repudiandae
necessitatibus consequatur enim doloribus provident soluta, magni voluptatibus vel
inventore?</SMALL>
  <!-- SAVE THIS PROGRAM AS A2-4-3.HTML -->

</body>
</html>

```

QUESTION 5.= Build a simple webpage that helps users navigate different web development-related websites. Note: On clicking the hyperlink the web pages should open in a new tab. ?

ANSWER :

PROGRAM :

```
<!DOCTYPE html>
<html>
<head>
  <title>document</title>

</head>
<body>
  <H1>NAVIGATE ME:</H1>
  <h3>take me to <a href="https://pwskills.com/"> <u>pw skills</u></a> to buy a course</h3>
  <h3>take me to <a href="https://developer.mozilla.org/en-US/"><u>MDN docs</u></a> to
know more about Web Development</h3>
  <h3>take me to <a href="https://lab.pwskills.com/"><u>PW skills lab</u></a> Lab to practice
live coding</h3>
</body>
</html>
```

QUESTION 6.Create an ordered list of HTML tags. Each list item must include the tag name and some information about the tag?

ANSWER :

PROGRAM :

```
<html >
<head>

  <title>Document</title>

</head>
<body>
  <H1><b>List of Tags</b></H1>
  <ol>
    <li>h1: Defines a heading level 1.</li>
    <li>p: Defines a paragraph of text.</li>
    <li>div: Defines a container for HTML elements.</li>
    <li>table: Defines a table with rows and columns.</li>
    <li>ul: Defines an unordered list.</li>
  </ol>
```

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

QUESTION 7.Create an unordered list of 5 programming Quotes, using the tag?

ANSWER :

PROGRAM :

```
<!DOCTYPE html>
<html >
<head>
  <title>document</title>

</head>
<body>
  <H1>PROGRAMMING QUOTES</H1>
  <UL>
    <li>Programs must be written for people to read, and only incidentally for machines to
execute.</li>
    <li>Good code is its own best documentation. As you're about to add a comment, ask
yourself, 'How can I improve the code so that this comment isn't needed?</li>
    <li>Any fool can write code that a computer can understand. Good programmers write
code that humans can understand.</li>
    <li>Give a man a program, frustrate him for a day. Teach a man to program, frustrate him
for a lifetime.</li>
    <li>It's not at all important to get it right the first time. It's vitally important to get it right the
last time.</li>
  </UL>

</body>
</html>
```

QUESTION 8.Create a description list of full stack web development tech stack, using the tag. Each term should be a tech stack name and each description should be a brief explanation of what the tech stack is used for.?

ANSWER :

PROGRAM :


```

<!DOCTYPE html>
<html >
<head>
  <title>document</title>

</head>
<body>
  <H1>Full Stack Web Development Tech Stack:</H1>

  <DL>
    <DT>HTML</DT>
    <DD>HyperText Markup Language is the standard markup language for creating web
pages and other online documents.</DD>
    <DT>CSS</DT>
    <DD>Cascading Style Sheets is a style sheet language used for describing the
presentation of a document written in HTML or XML.</DD>
    <DT>JAVA SCRIPT</DT>
    <DD>JavaScript is a programming language used to create interactive effects within web
browsers.</DD>
    <DT>NODE.JS</DT>
    <DD>.Node.js is an open-source, cross-platform, JavaScript runtime environment that
executes JavaScript code outside of a browser</DD>
    <DT>EXPRESS.JS</DT>
    <DD>Express.js is a web application framework for Node.js designed for building web
applications and APIs.</DD>
    <DT>MONGO DB</DT>
    <DD>MongoDB is a NoSQL document-oriented database program that uses JSON-like
documents with optional schemas.</DD>
    <DT>REACT JS</DT>
    <DD>React.js is a JavaScript library for building user interfaces or UI components.</DD>
  </DL>

</body>
</html>

```

QUESTION 9.Create an ordered list of the most common text formatting tags in HTML. Within each list item, use an unordered list to list the specific use cases and best practices for that tag?

ANSWER :

PROGRAM :

```
<!DOCTYPE html>
<html >
<head>

  <title>Document</title>
</head>
<body>
  <H1>HTML text formatting</H1>
  <ol>bold (b)
    <ul>
      <li>Use to make text stand out or emphasize a point</li>
      <li>Do not use for entire paragraphs or long blocks of text</li>
      <li>Avoid overusing, as it can make text difficult to read</li>
    </ul>
  </ol>
  <ol>italic (i)
    <ul>
      <li>Use to indicate emphasis or to differentiate between words or phrases </li>
      <li> Can be used for book or movie titles, foreign words or phrases, or to denote thoughts
or quotes within a sentence</li>
      <li> Avoid overusing, as it can become distracting or lose its impact</li>
    </ul>
  </ol>
  <ol>strong
    <ul>
      <li>Use to indicate importance or significance of text</li>
      <li>Can be used to highlight key points, warnings, or notices </li>
      <li>Can be combined with other formatting tags, such as bold or italic, to create
emphasis</li>
    </ul>
  </ol>
  <ol>emphasis (em)
    <ul>
      <li>Similar to italic, use to indicate emphasis or to differentiate between words or
phrases</li>
      <li> Can be used for book or movie titles, foreign words or phrases, or to denote thoughts
or quotes within a sentence</li>
      <li> Can also be used to indicate a change in tone or mood</li>
    </ul>
  </ol>

  <ol>underline (u)
    <ul>
```

```

        <li>Use to emphasize a single word or phrase</li>
        <li> Avoid using for entire blocks of text, as it can make it difficult to read</li>
        <li> Consider using bold or italic instead for emphasis</li>
    </ul>
</ol>

```

```

</body>
</html>

```

QUESTION 10. Create an ordered list of the full stack web development tech stack HTML, CSS, and JS. or each tech stack, create a table that lists the tech stack name, its primary use cases, and some key features or benefits. Below is a reference image.?

ANSWER :

PROGRAM :

```

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

    <title>Document</title>
</head>
<body>
    <OL><LI><h1>HTML</h1>
    <table border="10px">
        <tr>
            <th><b>primary use case</b></th>
            <th><b>key features/benefits</b></th>
        </tr>
        <tr>
            <td>building the structure of web page</td>
            <td><ul>
                <li>simple and easy to learn</li>
                <li>compatible with all web browser</li>
                <li>allows for sementic mark up</li>
            </ul></td>
        </tr>
    </table>
    </LI><BR>
<LI><h1>CSS</h1>
    <table border="10px">
        <tr>
            <th><b>primary use case</b></th>

```

```

    <th><b>key features/benefits</b></th>
  </tr>
  <tr>
    <td>Styling and layout of web pages</td>
    <td><ul>
      <li>Allows for separation of content and presentation</li>
      <li>Enables responsive design</li>
      <li> Offers a wide range of styling options</li></table></LI><br>
</LI><H1>JAVA SCRIPT</H1>
  <table border="10px">
    <tr>
      <th><b>primary use case</b></th>
      <th><b>key features/benefits</b></th>
    </tr>
    <tr>
      <td>Adding interactivity and functionality to web pages</td>
      <td><ul>
        <li>Can manipulate and modify web page content in real-time</li>
        <li>Offers a wide range of functionality through libraries and frameworks</li>
        <li> Allows for server-side scripting with Node.js</li></ul>
      </td>
    </tr>
  </table>>
</LI></OL>

</body>
</html>

```