Lab Exercise 1

Title: Assignment on HTML

Objectives:
1. Design a Home page for Product / Service based Company, using HTML only.
   Suggestion:
   Company Details: Name, address, contact information, and a brief description.
   Services: A list of services offered by the company.
   Logo: An image of the company logo.
   Introduction Audio: An audio clip introducing the company.
   Promotional Video: A short video showcasing the company's products or services.

   Ensure the page includes the following HTML elements and features:

   - Proper formatting with appropriate use of semantic tags (e.g., `<header>`, `<footer>`, `<section>`, `<article>`)
   - An image element for the company logo
   - An audio element for the introduction audio
   - A video element for the promotional video
   - Anchor tags for links to social media or company websites
   - A table to organize company details
   - A list to display the services offered

Theory
1)What is HTML?
-HTML, or HyperText Markup Language, is the foundational language used to create and structure content on the internet. It consists of a series of elements represented by tags, which tell web browsers how to display text, images, links, and other types of media.

Key features of HTML include:

- **Structure**: HTML organizes content into elements like headings, paragraphs, lists, and tables.
- **Links**: It enables linking between pages and websites through hyperlinks.
- **Multimedia**: HTML supports embedding images, videos, and audio files.
- **Forms**: It allows the creation of interactive forms for user input.

2)What are Tags?
-Tags are the basic components of HTML that define the structure and content of a webpage. Each tag typically has an opening tag (e.g., `<p>`) and a closing tag (e.g., `</p>`). Some tags are self-closing (e.g., `<img>`).

Common Types of Tags:

- **Structural**:
  - `<html>, <head>, <body>`
- **Text Formatting**:
  - `<h1>` to `<h6>, <p>, <strong>, <em>`
- **Links and Media**:
  - `<a>, <img>, <audio>, <video>`
- **Lists**:
  - `<ul>, <ol>, <li>`

Tags help browsers render content correctly on the web.

3)State what are Block level Tags
-Block-level tags are HTML elements that take up the full width of their container and start on a new line. They are used to define larger sections of content. Common block-level tags include:

- **`<div>`**: Generic container
- **`<p>`**: Paragraph
- **`<h1>` to `<h6>`**: Headings
- **`<ul>`**: Unordered list
- **`<ol>`**: Ordered list
- **`<li>`**: List item
- **`<header>`**: Introductory content
- **`<footer>`**: Footer content
- **`<section>`**: Thematic grouping
- **`<article>`**: Independent content

These tags help structure webpages effectively.

4)Mention the various HTML Text Formatting Tags
-Here are some common HTML text formatting tags:

1. **`<b>`**: Bold text.
2. **`<strong>`**: Important text (usually bold).
3. **`<i>`**: Italic text.
4. **`<em>`**: Emphasized text (usually italic).
5. **`<u>`**: Underlined text.
6. **`<mark>`**: Highlighted text.
7. **`<small>`**: Smaller text.
8. **`<del>`**: Deleted text (strikethrough).
9. **`<ins>`**: Inserted text (underline).

10. **<sub>**: Subscript text.
11. **<sup>**: Superscript text.
12. **<blockquote>**: Quoted text (indented).

These tags help enhance the presentation of text on a webpage.

5)Define Semantic Tags
-.Semantic tags are HTML elements that carry meaning and provide context about the content they enclose. They help convey the purpose of the content to both browsers and developers, improving accessibility and search engine optimization (SEO).

Common Semantic Tags:

1. **<header>**: Defines the header section of a document or a section.
2. **<footer>**: Represents the footer of a document or section.
3. **<article>**: Represents self-contained content that could be distributed independently.
4. **<section>**: Defines a thematic grouping of content.
5. **<nav>**: Indicates a section of navigation links.
6. **<aside>**: Represents content related to the main content (like sidebars).
7. **<figure>**: Used for encapsulating media content along with a caption.
8. **<figcaption>**: Provides a caption for a `<figure>`.
9. **<main>**: Represents the main content of a document.

Using semantic tags enhances the clarity and structure of your HTML, making it easier for users and search engines to understand the content.

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Hosted Page:
 GitHub Repo for Assignment 1:
    Hosted link of Assignment 1:

Code with Screenshot:

```
<!DOCTYPE html>
<html lang="en">
<head>
  <meta charset="UTF-8">
  <meta name="viewport" content="width=device-width, initial-scale=1.0">
  <title>Welcome to Creative media agency</title>
</head>
<body>
```

```html
<header>
  <h1>Welcome to Creative media agency</h1>
  <img src="logo.png" alt="Company Logo" width="200">
</header>

<section>
  <h2>Company Overview</h2>
  <table border="1">
    <tr>
      <th>Detail</th>
      <th>At Creative Media Agency, we are passionate about transforming ideas into impactful visual stories. Based in Imaginetown, our team of skilled professionals specializes in a range of services designed to elevate your brand in the digital landscape.

      From strategic brand development to stunning graphic design and high-quality video production, we tailor our solutions to meet your unique needs. Our expertise in social media management and web design ensures that your message reaches the right audience effectively and creatively.

      Our mission is to empower businesses with innovative marketing strategies that drive engagement and foster growth. We believe in collaboration, working closely with our clients to understand their vision and deliver exceptional results. With a commitment to quality and integrity, we are dedicated to helping your brand shine in a competitive market.

      Join us in creating memorable experiences that resonate with your audience!</th>
    </tr>
    <tr>
      <td>Location</td>
      <td>Ganadhi nagar, Mumbai</td>
    </tr>
    <tr>
      <td>Phone</td>
      <td>9789690348</td>
    </tr>
    <tr>
      <td>About Us</td>
      <td>Your trusted partner for high-quality products and services.</td>
    </tr>
  </table>

  <h2>Services We Offer</h2>
```

```html
<ul>
   <li>Social Media Management</li>
   <li>Graphic Design</li>
   <li>Video Production</li>
   <li>Web Design</li>
</ul>

<h2>Introduction Audio</h2>
<audio controls>
   <source src="intro.mp3" type="audio/mpeg">

</audio>

<h2>Watch Our Promotional Video</h2>
<video width="600" controls>
   <source src="promo.mp4" type="video/mp4">

</video>
</section>

<footer>
   <p>Connect with us on social media:</p>
   <a href="https://facebook.com">Facebook</a> |
   <a href="https://twitter.com">Twitter</a> |
   <a href="https://instagram.com">Instagram</a>
   <p>&copy; 2024 Creative media agency. All rights reserved.</p>
</footer>

</body>
</html>
```
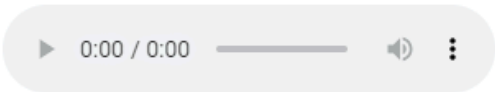
Welcome to Creative media agency

Company Overview

Detail	At Creative Media Agency, we are passionate about transforming ideas into impactful visual stories. Based in Imaginetown, our team of skilled professionals specializes in a range of services designed to elevate your brand in the digital landscape. From strategic brand development to stunning graphic design and high-quality video production, we tailor our solutions to meet your unique needs. Our expertise in social media management and web design ensures that your message reaches the right audience effectively and creatively. Our mission is to empower businesses with innovative marketing strategies that drive engagement and foster growth. We believe in collaboration, working closely with our clients to understand their vision and deliver exceptional results. With a commitment to quality and integrity, we are dedicated to helping your brand shine in a competitive market. Join us in creating memorable experiences that resonate with your audience!
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About Us	Your trusted partner for high-quality products and services.

Services We Offer

- Social Media Management
- Graphic Design
- Video Production
- Web Design

Introduction Audio

Watch Our Promotional Video

Connect with us on social media:

Facebook | Twitter | Instagram