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Course name: Full Stack Web Development

Batch: 10

Exam topic: HTML

Q1: Write 5 Meta tags and their uses.

Answer:

Meta tag: Meta tags are snippets of HTML code that provide metadata about a webpage. They are placed inside the <head> section of an HTML document and help browsers, search engines, and other services understand the page's content.

Here are five common meta tags and their uses:

1. Meta Description Tag

```
<meta name="description" content="This is a brief description of the webpage content.">
```

- ✚ **Use:** Provides a concise summary of the webpage's content. This description often appears in search engine results pages (SERPs) beneath the page title, influencing click-through rates.

2. Meta Keywords Tag

```
<meta name="keywords" content="HTML, Meta tags, Web development">
```

- ✚ **Use:** Historically used to list keywords relevant to the content of the page for search engines. However, search engines like Google no longer use this tag for ranking purposes, though it might still be useful for some older search engines or systems.

3. Viewport Meta Tag

```
<meta name="viewport" content="width=device-width, initial-scale=1.0">
```

- ✚ **Use:** Controls how a webpage is displayed on different devices, particularly mobile devices. It ensures the website is responsive by setting the width of the page to the width of the device and controlling the initial zoom level.

4. Meta Robots Tag

```
<meta name="robots" content="index, follow">
```

- ✚ **Use:** Instructs search engine crawlers on how to index a page and whether to follow the links on the page.

5. Charset Meta Tag

<meta charset="UTF-8">

- ✚ **Use:** Specifies the character encoding for the webpage. UTF-8 is a common encoding that supports almost all characters, ensuring that the content displays correctly across different browsers and devices.

Q2: What is a Semantic Element? Give 5 Examples.

Answer:

Semantic Element: A semantic element is an HTML element that clearly describes its meaning to both the browser and the developer. These elements are meaningful in the context of the structure and content of a webpage, helping improve accessibility and SEO.

Five Examples of Semantic Elements:

1. <header>

- ✚ Represents the header section of a webpage or a section, typically containing navigation links, logos, or titles.

- ✚ **Example:**

```
<header>
  <h1>Interactive Cares</h1>
</header>
```

2. <nav>

- ✚ Represents a section of the page intended for navigation links. It is typically used for menus, tables of contents, or other lists of navigational links.

- ✚ **Example:**

```
<nav>
  <ul>
    <li><a href="#home">Home</a></li>
    <li><a href="#about">About</a></li>
  </ul>
</nav>
```

3. <article>

- ✚ Represents a standalone piece of content such as a blog post, article, or news story. It is intended to be independently distributable or reusable.

- ✚ **Example:**

```
<article>
  <h2>Article Title</h2>
  <p>This is the content of the article.</p>
</article>
```

4. <section>

- Represents a section of content in a document. It typically groups related content together. While similar to <div>, it is semantic and used when the content has a clear theme.

- Example:**

```
<section>
  <h2>Introduction</h2>
  <p>This is the introduction section.</p>
</section>
```

5. <footer>

- Represents the footer of a document or section. It usually contains information like copyright notices, contact information, or links to related documents.

- Example:**

```
<footer>
  <p>All rights reserved by the Interactive Cares.@2024</p>
</footer>
```

Q3: Code the following table:

Product	Flavors
Milk	Almond
	Mango
	Chocolate
These are exclusive flavors	

Answer:

Code & View:

GitHub Link: <https://github.com/priyochy-SE/Full-Stack-Web-Development/blob/main/Question-2.html>

Netlify Link: <https://priyobratachy.netlify.app/>