

Q1: Write 5 Meta tags and their uses.

Answer:

HTML meta tags provide metadata about an HTML document, which can be used by search engines, browsers, and social media platforms. Here are some common meta tags with examples:

1. Charset

Specifies the character encoding for the HTML document.

`<meta charset="UTF-8">`

2. Viewport

Ensures that your webpage is properly scaled on all devices, especially mobile devices.

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

3. Keywords

Lists relevant keywords for search engines to help in ranking the page.

`<meta name="keywords" content="HTML, meta tags, SEO, web development">`

4. Author

Specifies the author of the document.

`<meta name="author" content="Mohammad Bayajeed">`

5. Refresh

Automatically refreshes or redirects the page after a certain amount of time.

`<meta http-equiv="refresh" content="30">`

(This example refreshes the page every 30 seconds.)

Q2: What is a Semantic Element? Give 5 Examples

Answer:

HTML semantic elements are tags that provide meaning to the content they enclose, helping both browsers and developers understand the structure and purpose of that content.

Examples include:

1. `<header>`: Represents the header of a document or section.
2. `<nav>`: Defines navigation links.
3. `<section>`: Denotes a thematic grouping of content.
4. `<article>`: Represents a self-contained piece of content, like a blog post or news article.
5. `<footer>`: Contains information about its enclosing content, such as the author, copyright, or links to related documents.
6. `<main>`: Represents the main content of the document.

These elements improve accessibility and SEO by clearly defining the structure of a webpage.

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Q3: Code the following table:

Answer:

Output link: <https://66c2516dd0dc70e241d12a6d--polite-axolotl-dec13d.netlify.app/>

Code:

```
<style>
    table,thead, tbody, tr, th, td{
        border: 1px solid black;
    }
</style>
```

```
<table>
    <thead>
        <tr>
            <th>Product</th>
            <th>Flavors</th>
        </tr>
    </thead>
    <tbody>
        <tr>
            <td rowspan="3">Milk</td>
            <td>Almond</td>
        </tr>
        <tr>
            <td>Mango</td>
        </tr>
        <tr>
            <td>Chocolate</td>
        </tr>
    </tbody>
    <tfoot>
        <tr>
            <th colspan="2">These are exclusive flavors</th>
        </tr>
    </tfoot>
</table>
```

Q4: Code a form that contains:

Answer:

<https://66c2747b4e5489feb48cee5b--ephemeral-hamster-e9b1d0.netlify.app/>

Q5: How can we add YouTube videos to our HTML file?

Answer: ifram

Output: <https://66c39250baf8031304ef2edd--verdant-panda-ceb1fe.netlify.app/>

Code:

```
<!-- Video section start -->
<section>
  <div class="video_area">
    <h1 style="margin-left: 75px; margin-bottom: 5px;">Adding
"iframe" to YouTube</h1>
    <div class="video">
      <iframe width="500" height="350"
src="https://www.youtube.com/embed/L92N61Tq7A4" title="SAMI YUSUF
ALHAMDULILLAH" frameborder="0" allow="accelerometer; autoplay;
clipboard-write; encrypted-media; gyroscope; picture-in-picture;
web-share" referrerpolicy="strict-origin-when-cross-origin"
allowfullscreen></iframe>
    </div>
  </div>
</section>
<!-- Video section End -->
```

Project 01 (25 Marks): Suppose you need an online shop. Which should have the following pages in the menu:

- Home
- Single Product
- Checkout
- Registration
- Contact with a Map

All pages should be clickable through the menu.

Answer: <https://66c4bd124d3e85041d279bf4--inquisitive-salmiakki-385f92.netlify.app/>

Project 02 (25 Marks): [Click Here](#)

Answer: <https://66c4d5bca25ad2142be45dc3--singular-haupia-de8bb0.netlify.app/>