**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.

**Q3: Code the following table:**

**Answer:**

**Output link:** [**https://66c2516dd0dc70e241d12a6d--polite-axolotl-dec13d.netlify.app/**](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/**](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/**](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/**](https://66c4bd124d3e85041d279bf4--inquisitive-salmiakki-385f92.netlify.app/)

**Project 02** *(25 Marks):*[Click Here](https://www.figma.com/file/xhXAdqWg1aSreAUZv8Jqjr/Agency-landing-page-(Community)?type=design&node-id=0-1&t=XzlV9IpZQVBFzTxh-0)

Answer:[**https://66c4d5bca25ad2142be45dc3--singular-haupia-de8bb0.netlify.app/**](https://66c4d5bca25ad2142be45dc3--singular-haupia-de8bb0.netlify.app/)