

Q.1 <!DOCTYPE html> is it a tag of html? If not, what is it and why do we use it?

<!DOCTYPE html> is not a tag, it is an html declaration. The DOCTYPE declaration is an instruction to the web browser about what version of html page is written in.

Q.2 Explain Semantic tags in html? And why do we need it?

Semantic tags in HTML are specific HTML elements that provide meaning and structure to the content of a webpage.

The semantic HTML tags help the search engines and other user devices to determine the importance and context of web pages. The pages made with semantic elements are much easier to read.

Examples of Semantic tags in html

- <article>
- <aside>
- <details>
- <figcaption>
- <figure>
- <footer>
- <header>
- <main>
- <mark>
- <nav>
- <section>
- <summary>
- <time>

Q.3 Differentiate between HTML Tags and Elements?

HTML Tags usually exist in pairs consisting of a starting and an ending tag

Eg. <h> </h>, <div> </div>

HTML Elements contain a starting tag, content, and an ending tag.

Eg. <h1>This is a heading</h1> , <p>This is a paragraph</p>

Q.4 Build Your Resume using HTML only

```
<!DOCTYPE html>
```

```
<html lang="en">
```

```
<head>
```

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

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

```
  <title>My Resume</title>
```

```
</head>
```

```
<body>
```

```
  <div>
```

```
    <div>
```

```
      <h1>Rahul Yadav</h1>
```

```
      <p>E-mail : <a href="">rahul3550yadav@gmail.com </a></p>
```

```
      <p>Contact no : 8459753550</p>
```

```
      <p>LinkedIn : <a href="">https://www.linkedin.com/in/rahul-yadav-56849b23b
```

```
        </a></p>
```

```
      <p>Github : <a href="">https://github.com/Rahul-883 </a></p>
```

```
    </div>
```

```
  <table>
```

```
    <tr>
```

```
      <td>
```

```
        
```

```
      </td>
```

```
      <td>
```

```
        Seeking for an opportunity to work in reputable organisation to utilize my technical skills  
and to
```

enhance my knowledge about new and emerging trends in Computer Science field.

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Education

- Master of Computer Application, Kamla Nehru Institute of Technology
- Bsc(Cs), ASM College of Commerce Science and Technology
- 12th with PCM, Dr.D.Y. Patil college of commerce science and Arts

PROFESSIONAL / ACADEMIC ACHIEVEMENTS

- Handwritten digit recognition by machine learning
- Hall Booking System using html, css, bootstrap, javascript, php

PROGRAMMING LANGUAGE

- Java
- Javascript
- Html,CSS,Bootstrap
- Mysql
- MERN

<section>

<h2>OTHER SKILLS</h2>

MS Excel

Microsoft 365

</section>

<section>

<h2>CERTIFICATION</h2>

Full Stack Web Development - MERN(Pursuing)

MS Excel

</section>

<section>

<h2>PROFESSIONAL INFORMATION</h2>

Mother Tongue : Hindi

Language Known : Hindi, English, Marathi

Hobbies : Playing Cricket, Acquiring New Skills, Watching Web Series

</section>

<footer>

<p>© 2023 Rahul Yadv. All rights reserved.</p>

</footer>

</div>

```
</body>
```

```
</html>
```

Q.5 Write HTML code so that it looks like the below image

```
<!DOCTYPE html>
```

```
<html lang="en">
```

```
<head>
```

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

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

```
  <title>html image</title>
```

```
</head>
```

```
<body>
```

```
  <div>
```

```
    <div>
```

```
      <br><br><br><br>
```

```
    </div>
```

```
  <section>
```

```
    <p>We will be learning the following things this week:</p>
```

```
  <table>
```

```
    <thead>
```

```
      <th>Day 1</th>
```

```
      <th>Day 2</th>
```

```
      <th>Day 3</th>
```

```
      <th>Day 4</th>
```

```
    </thead>
```

```

<tr>
  <td>Linux 1</td>
  <td> HTML </td>
  <td>Linux 2</td>
  <td>Linux 3</td>
</tr>
<tr>
  <td>GIT 1</td>
  <td>CSS</td>
  <td>Git2</td>
  <td> Boptstrap</td>
</tr>
</table>

```

<p>If you want to contact me, please fill this form:</p>

```
<form action="">
```

```

  <label for="name"> Name </label>
  <input type="text" name="name">
  <br> <br>
  <label for="phone">Phone no:</label>
  <input type="tel" name="phone">
  <br> <br>
  <label for="email">email id: </label>
  <input type="email" name="email">
  <br> <br>
</form>

```

<h2>The following things are important to be a programmer</h2>

```
<ul>
  <li>A problem solving mindset</li>
  <li>Consistency
    <ul>
      <li>Clean code</li>
      <li>Thorough knowledge od core concepts</li>
      <li>Readable code</li>
    </ul>
  </li>
  <li>Speed</li>
</ul>
```

```
</section>
```

```
</div>
```

```
</body>
```

```
</html>
```

Q.6 What are some of the advantages of HTML5 over its previous versions?

HTML5 contains easier type of character encoding, whereas older version of HTML contains elaborate types of character encoding.

HTML5 supports audio and video controls with the use of <audio> and <video> tags. While HTML uses a flash player.

HTML5 offers multiple storage options, such as an SQL database, application cache, and web storage, whereas HTML uses browser cache memory as temporary storage.

HTML5 has a JavaScript geolocation API, which can be used to identify any user's location when accessing the website, while older version of HTML are unable to use features that determine a user's geolocation.

doctype declaration is comparatively quite simple and easy to understand in HTML5. Whereas doctype declaration is long and complicated in HTML.

HTML5 contains tabindex, id, and repeat attributes. While newer attributes like tabindex, id, and repeat are unavailable in HTML.

Q.7 Create a simple Music player using HTML only?.

```
<!DOCTYPE html>

<html lang="en">

<head>

  <meta charset="UTF-8">

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

  <title>Music Player</title>

</head>

<body>

  <div bgcolor="aqua-marine">

    <h1>Music Player</h1>

    <audio controls>

      <source src="View more at: https://www.hungama.com/podcasts/top-shree-krishna-bhajanss/63995286/ View more at: https://www.hungama.com/podcasts/top-shree-krishna-bhajanss/63995286/" type="audio/mpeg">

      View more at: https://www.hungama.com/podcasts/top-shree-krishna-bhajanss/63995286/
```


</body>

</html>

Q.8 What is the difference between <figure> tag and tag?

The figure tag is used to semantically organize the content of images, videos, audios or even charts or tables, block of codes in the HTML document.

The image tag is used to add an image to an HTML page. tag can only insert image.

Q.9 What's the difference between html tag and attribute and give example of some global attributes?

HTML contains various elements to build the content. Elements such as paragraph, horizontal lines and headings are used to develop the structure of all webpages.

An attribute provides extra information about an HTML element. It has two sections: the name of the attribute and the value of that attribute. The name defines the property that we require to set, while the value is a property that defines the value of that property. The programmer can write the value inside quotations.

Global Attributes are attributes that can be on any HTML element. Examples include id, class, style, data-*, title, and others.

Eg. ` Attributes example`

Q.10 Write Html code so that it looks like the below image

```
<!DOCTYPE html>
```

```
<html lang="en">
```

```
<head>
```

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

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

```
    <title>Table</title>
```

```
</head>
```

```

<body>
  <table border =
    <thead>
      <tr>
        <th rowspan="3">Day</th>
        <th colspan="4">Seminar</th>
      </tr>
      <tr>
        <th colspan="2">Date</th>
        <th colspan="2">Time</th>
        <th colspan="2">Topic</th>
      </tr>
      <tr>
        <th colspan="2">Schedule</th>
        <th rowspan="2">Topic</th>
        <th rowspan="2">Begin</th>
        <th rowspan="2">End</th>
      </tr>
    </thead>
    <tbody>
      <tr>
        <td rowspan="2">Monday</td>
        <td rowspan="2">8:00 a.m.</td>
        <td rowspan="2">5:00 p.m.</td>
        <td>Introduction to Xml</td>
      </tr>
      <tr>
        <td>Introduction to Xml</td>
      </tr>
    </tbody>
  </table>

```

```

<tr>
  <td rowspan="3">Tuesday</td>
  <td>8:00 a.m.</td>
  <td>11:00 a.m.</td>
  <td rowspan="2">XPath</td>
</tr>
<tr>
  <td>11:00 a.m.</td>
  <td>2:00 p.m.</td>
</tr>
<tr>
  <td>2:00 p.m.</td>
  <td>5:00 p.m.</td>
  <td>XSL Transformations</td>
</tr>

<tr>
  <td>Wednesday</td>
  <td>8:00 p.m.</td>
  <td>12:00 p.m.</td>
  <td>XSL Formatting objects</td>
</tr>

```

```

</tbody>

```

```

</table>

```

</body>

</html>