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HTML Interview Questions - Viva questions

What is HTML?

HTML is a widely used language that gives our webpage a structure. HTML stands for **HYPertext MARKUP LANGUAGE**. HTML was created by Berners Lee in 1991.

HyperText Mark-up Language (HTML) is at the heart of any other website development process without which no web page exists. Hypertext implies that text with links, called hyperlinks, is encoded in it.

Q1. What is HTML and what is it used for?

HTML is a widely used language that gives our webpage a structure. HTML stands for **HYPertext MARKUP LANGUAGE**. HTML was created by **Berners lee** in **1991**. A markup language is a set of markups tags. Every webpage is created in HTML. HTML documents are described by HTML tags.

Q2. What does HTML stand for?

HTML Stands for **Hypertext Markup Language**. This language is basically used for creating web applications and also for web pages as well. It is a standard markup language with cascading style sheets and JavaScript which form a triad for WWW i.e. worldwide Web. HTML came into existence in 1980 when a great computer professor Sir Tim Berners Lee (a contractor and author of HTML) proposed an idea in CERN, to basically sharing and using documents. So in this way, a great language came into existence.

Q3. In which year HTML was first proposed?

Basically, in 1980, A great physicist Sir Tim Berners -Lee who is a contractor at CERN proposed the way through which documents can be shared easily. So, he prototyped ENQUIRE (a system for CERN), which would help researchers to use and share documents. HTML Tags was basically the first publicly description of HTML which was first mentioned by Tim Berners Lee in late 1991. He is usually the professor of computer programming. He is the author of HTML which is treated to be as the foremost computer languages of all the times. His idea of writing this language brought a tycoon in the computer technology world and also nowadays it is also much popular and most trending.

Q4. Who is the author of HTML?

Sir Tim Berners-Lee, a great physicist who is a great personality is the author of HTML. He is also the director of the World Wide Web Consortium i.e. W3C. He is also the founder of WWWF i.e. World wide Web Foundation. Open Data Institute is founded by him and also he is director of this institute. He is a director of the Web Science Research Initiative i.e. WSRI and a member of the advisory board of the MIT Center for Collective Intelligence. Sir Tim Berners is a great personality, as he is the professor of the computer department and also the founder of many institutes and Research initiatives. An idea struck into his mind, how can a computer be made helpful for using and sharing documents. So, he designed the most trending and tremendous language, through which it is very easy to make web pages and all. Also, it is most trending and still is in use rather like other outdated languages.

Q5. What is the meaning of markup in HTML?

The sequence of characters or other symbols which we usually use to insert at certain places in a word or text file in order to indicate how the file should look when it is displayed or printed or Basically to describe documents logical structure. The markup indicators are often known as tags. Elements and tags are two different words which we need to understand as there is a lot of confusion among public related to this fact. It must be noted that HTML documents contain tags, but do not contain the elements. It is a wide misconception that usually occurs in mind that both exist in HTML documents. Elements are usually only generated after parsing step from these tags

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Q6. What is a physical tag and logical tag in HTML?

A **Physical tag** has physical text which is used to tell the browser how to display the text enclosed in the physical tag.

Example for the physical tags are: `<big>`, ``, `<i>`

Logical tags are used to tell the meaning of the enclosed text in it. The example of the logical tag is `<Important>...</Important>` tag. When we enclose text in Important tag then it tell the browser that enclosed text is more important than other text.

Q7. What is a nest in HTML?

If you go and have a look at **HTML** markup for any webpage today, you will let to know that HTML elements are contained within other HTML elements. These elements which are inside of other are known as nested elements and they had become the essential part of building any web page nowadays. The most expertise way to know more about nesting is just to think about HTML tags in the form of boxes that hold your content which can be in form of text, images, etc. HTML tags are basically the boxes around the content.

Q8. What is the XHTML?

XHTML means Extensible Hypertext Markup Language, which is basically a part of Family of XML markup language. It usually extends the most popularly used HTML i.e. Hypertext Markup Language, the pages in which the web pages are formulated.

Q9. What is Cell Spacing and Cell Padding?

Cell Spacing is referred to space/gap between the two cells of the same table.

Cell Padding is referred to the gap/space between the content of the cell and cell wall or Cell border.

Example:

```
<table border cellspacing=3>  
<table border cellpadding=3>  
<table border cellspacing=3 cellpadding=3>
```

Q10. What is the HTML tags?

People always confuse in understanding terms elements and tags in **HTML**. It must be noted that HTML documents contain tags, but do not contain the elements. It is a wide misconception that usually occurs in mind that both exist in HTML documents.elements are usually only generated after parsing step from these tags.

Q11. What is an element in HTML?

An **HTML element** is basically an individual component usually of an HTML web page or document. Once if this has been also parsed into the document object model.HTML nodes are the main part that composes HTML for example such as text nodes.HTML attributes can be specified from each node. Content, including other nodes and text, together with build up a node. Semantics or meanings are mostly represented by many HTML nodes. Let us take an example of a title node represents the title of the document.

Q12. How many types of lists are available in HTML?

In HTML, we have two types of lists unordered lists and ordered lists. Unordered list starts with tag and ends with tag. Ordered tag starts with and ends with . Each list item is written as

Q13. How to create mailto link in HTML?

Basically, when we usually start with a hyperlink that is Mailto rather than using HTTP or [others](#), the browser should be able to compose an email in the visitor's default email program on their computer. There are two ways to insert a mailto link into a HubSpot page or email, just by inserting a hyperlink into the rich editor or inputting into the source code. Option one is basically nothing just to insert a mailto link as a hyperlink, also highlight the text or click on the image as you wish. to apply on the mailto link to for your contacts or visitors to click on and finally click Add the link to finish. Option two is to Insert a mailto link into the source code and Click Save to finish then Publish or Update your page.

Example:

```
<a href="mailto:someone@example.com?Subject=Hello%20again" target="_top">Send Ma
```

Q14. [What does DOCTYPE mean?](#)

DOCTYPE or Document Type Declaration is a type of instruction which usually works in association with particular SGML or [XML](#) documents basically. Let us take an example to understand it more thoroughly, for example, A Web page with a document type definition i.e. DTD is the best to understand. In a well serialized and a proper form of the document, It manifests and also the contribution of it is a lot as a short string of markup that usually conforms to a particular syntax.

Q15. [List the media types and formats supported by HTML ?](#)

HTML supports a wide range of media formats for sound, music, videos, movies, and animations. Below is the list extensions supported by each media format.

Media Type Formats Supported

Images	png, jpg, jpeg, gif, apng, svg, bmp, BMP ico, png ico
Audio	MIDI, RealAudio, WMA, AAC, WAV, Ogg, MP3, MP4
Video	MPEG, AVI, WMV, QuickTime, RealVideo, Flash, Ogg, WebM, MPEG-4 or MP4

Q16. [What are different types of heading are supported by HTML?](#)

HTML supports 6 types of heading tags they are H1, H2, H3, H4, H5, and H6. H1 is the highest and most important heading tag.

Q17. [What is Semantic HTML ?](#)

Semantic HTML or Semantic Markup is HTML that introduces meaning to the web page rather than just presentation.

`<form>`, `<table>`, and `<article>` are examples of Semantic Elements.

Below are the list of few new Semantic Elements introduced HTML5

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

Q18. Who is Known as the father of World Wide Web (WWW)

Tim Berner Lee(**Tim Berners-Lee**) is known as the father of "World Wide Web".

Q19. What is the difference between a tag and an element in HTML?

HTML tag is just opening or closing entity.

Example: `<p>` and `</p>` are called HTML tags

HTML element encompasses opening tag, closing tag, content (optional for content-less tags)

Example: `<p>This is the content</p>` : This complete thing is called an HTML element

source: <https://stackoverflow.com/questions/8937384/what-is-the-difference-between-html-tags-and-elements>

Q20. What is grouping in HTML?

Grouping is used to group several HTML controls like input, textarea, selects as well as labels (`<label>`) within a web form. In HTML `<fieldset>` element is used for Grouping.

Q21. What is a Fieldset in HTML ?

The **<fieldset>** is a tag in HTML that is used to group related elements in a form. It draws a box around the related elements.

Q22. What is the difference between DIV and SPAN in HTML?

The difference between span and div is that a span element is in-line and usually used for a small chunk of HTML inside a line (such as inside a paragraph) whereas a div (division) element is block-line (which is basically equivalent to having a line-break before and after it) and used to group larger chunks of code.

```
<div id="scissors">
  <p>This is <span class="paper">crazy</span></p>
</div>
```

Further Reading:

<http://www.htmldog.com/guides/html/intermediate/spandiv/>

Q23. What is the use of div tag in HTML?

Div is a division tag in HTML. It helps us to divide our page into different sections. Div is a block element.

Syntax

```
<div> Your content</div>
```

Q24. What is a block element?

A **block level element** in HTML always starts with a new line on document and expand to full width of the page or container. `<address>`, `<p>`, `<div>`, `<figure>`, `<header>` are few examples of block level elements in HTML.

Q25. What is an empty tag?

Empty tags in html are tags with no content. Empty tag element are singular tag and no closing tag is required. Examples of empty tags are `
`, `<link>`, `<meta>`, `<image>`, `<hr/>` etc

Q26. What is an inline text?

Inline text or inline elements does not cause a line break on a HTML Page or container they takes only space

bounded by its opening and closing tag. , <a>, , <input>, <kbd>, <label> are few examples of inline elements in HTML.

Q27. What is the use of ID Attribute in HTML?

Id attribute in HTML is used to uniquely identify an element in HTML DOM. You can use id attribute as a CSS/jquery selector to style or perform some dom related action on element.

Q28. How can you make a bulleted list in HTML?

An unordered list () is used to create a bulleted list in HTML. Below is a simple example to create bulleted list in HTML.

```
<p>Fruits List</p>
<ul>
<li>Apple</li>
<li>Banana</li>
<li>Mango</li>
</ul>
```

Q29. What is the head tag used for?

Head tag (<head>) in Html is used to specify important information (metadata) about certain webpage. Common elements placed between <head> tag of html are <base>, <link>, <meta>, <noscript>, <script>, <style> <title>

Q30. What is the HTML document?

An HTML document is a file used for displaying Hypertext, media, and information on web. It is written in hypertext markup language and contains HTML tags with information. HTML document is either saved with .html or .htm extension.

Q31. What is the basic structure of an HTML document?

The basic structure of HTML document looks like

```
<!DOCTYPE html>
<html>
  <head>
    <title>Your Page Title</title>
  </head>
```

```
<body>
  <h1>First Heading</h1>
  <p>Paragraph Text.</p>
</body>
</html>
```

Q32. What is the purpose of using alternative texts in images?

The basic purpose of using alternative texts is to define what the image is about. During an image mapping, it can be confusing and difficult to understand what hotspots correspond to a particular link. These alternative texts come in action here and put a description at each link which makes it easy for users to understand the hotspot links easily.

Q33. What is an image map in HTML ?

Image mapping lets a user to link one image to different web pages in and out of the website. It is the process of defining special shapes inside an image and link it to different destinations.

Q34. Is there advantages of collapsing white spaces in HTML?

Yes, Collapsing white spaces is one good way of writing HTML codes in an organized way. White spaces act similar to a single-spaced character and occupy the same size as rest of the characters. By collapsing multiple white spaces, we can indent lines of text and make the code more readable.

Q35. How do you add a copyright symbol on a HTML page?

Copyright symbol can be either copied and pasted from other sources. Or, you can also add it by writing a small piece of code: © or & #169; in the required page

Q36. What is HTML DOM?

HTML DOM is an object model for HTML and Application Programming Interface(API) for Javascript to work with HTML elements, properties and their methods.

Q37. what is multipart form data?

Multipart form-data is one of the values of the **enctype** attribute, which is used in the form element that has a file upload. Multi-part means form data divides into multiple parts and send to the server. It adds a few bytes of boundary overhead to the message, and must spend some time calculating it, but sends each byte in one byte.

Q38. Why we use doctype in HTML?

You will always see a **<!DOCTYPE html>** declaration that often comes before the HTML tag, **<html>** in a HTML document. We use the doctype in HTML to alert the Web browser such as Chrome, Firefox, and others about the HTML version currently used in the document. HTML has different versions such as XHTML 1.0 Strict, HTML 4.01 Strict, XHTML 1.1, XHTML 1.0 Transitional, HTML 4.01 Frameset and others. Thus make it vital to inform the browser used while coding.

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