

Module – 1 (HTML / HTML – 5)

1) What is the difference between web browser and web server ?

Ans : Web browser is an application program that displays a world wide web document. It usually uses the internet service to access the document. Where Web server is a program or the computer that provide services to other programs called client.

- Web browser stores the cookies for different websites. Where web servers provide an area to store and organize the pages of the website.
- The web browser requests the server for the web documents and services. Where web server accepts, approves, and responds to the request made by the web browser for a web document or service.

2) Full form of HTTP.

Ans : Full form of HTTP is Hyper Text Transfer Protocol.

3) Full form of FTP.

Ans : Full form of FTP is File Transfer Protocol.

4) What is domain ?

Ans : A domain is a network of computers and devices that are controlled by one set authority and have specific guidelines. More specifically, a domain is controlled by one particular company that has its own internet presence and IP address. The doain is labeled by its domain name, such as webopedia or www.webopedia.com.

5) What is the full form of URL ?

Ans : Full form of URL is Uniform Resource Locator.

6) What is web design and basic requirement ?

Ans : Web designers create the design and layout of a website with their technical expertise and knowledge while keeping in mind the client's requirements. They have a deep understanding of UI (user interface) and UX (user experience) and are adept at using design programs for creating visual elements.

7) Which resolution is better for the perfect design?

Ans : So going with a design file resolution that's 1440px or 1920px wide is a great start. The next decision will be to decide what maximum size the main container should have, within which you'll have your columns. This is even more important than what size your design file has.

8) Explain problem specification with browser compatibility?

Ans : Different browsers and devices may support different codecs, and compatibility issues can arise if a specific codec is not supported.

- Solution: Compatibility testing verifies that the media files encoded with different codecs are played back correctly and consistently across the supported platforms.

9) Is HTML case sensitive?

Ans : HTML is not a Case Sensitive Language because, during parsing, all HTML elements are converted to lowercase first.

HTML5, the latest version of HTML, which is a new web standard, is also case insensitive. XHTML, an older version of HTML, was case-sensitive for lowercase letters.

10) Explain what is the use of editors and their types?

Ans : Editors or text editors are software programs that enable the user to create and edit text files. In the field of programming, the term editor usually refers to source code editors that include many special features for writing and editing code.

11) What is difference between HTML and XHTML?

Ans : XHTML stands for Extensible Hypertext Markup Language. Where HTML stands for Hypertext Markup Language.

- HTML was developed by Tim Berners-Lee. XHTML was developed by w3c i.e world wide web consortium.
- HTML was developed in 1991. Where XHTML was released in 2000.
- HTML is extended from SGML Where XHTML is extended from XML and HTML.

12) How many HTML versions are available in market ?

- Ans :
1. HTML : in 1991
 2. HTML+ : 1993
 3. HTML 2.0 : 1995
 4. HTML 3.2 : 1997
 5. HTML 4.01 : 1999
 6. HTML 5 : 2012

13) What is DOCTYPE ?

Ans : A doctype or document type declaration is an instruction that tells the web browser about the markup language in which the current page is written. The Doctype is not an element or tag, it lets the browser know about the version of or standard of HTML or any other markup language that is being used in the document.

14) Explain HTML structure ?

Ans : HTML used predefined tags and attributes to tell the browser how to display content, means in which format, style, font size, and images to display. HTML is a case insensitive language. Case insensitive means there is no difference in upper case and lower case both treated as the same, for example 'D' and 'd' both are the same here.

- There are generally two types of tags in HTML :

1. Paired tags : These tags come in pairs. That is they have both opening and closing tags.
2. Empty tags : These tags do not require to be closed.

An HTML Document is mainly divided into two parts :

- HEAD : This contains the information about the HTML document. For Example, the Title of the page, version of HTML, Meta Data, etc.
- BODY: This contains everything you want to display on the web page.

15) What is HTML ? How are HTML tags formed ? Explain HTML Comments ?

Ans : HTML stands for HyperText Markup Language.

- HTML is the standard markup language for creating web pages.
- HTML describes the structure of a web pages.
- HTML consists of a series of element.

The comment tag (`<!--comment --!>`) is used to insert comments in the html code. It is good practice of coding, so that coder and the reader can get help to understand the code. It is helpful to understand steps of the complex code. The comment tag is helpful while the debugging of codes.

Syntax :

`<!--comments here --!>`

- There are three types of comments in html.
 - Single-line comment
 - Multi-line comment

- Using <comment> tag

16) What is the use of anchor tag ? Explain two ways to specify URL in href attribute .

Ans : The <a> tag (anchor tag) in html is used to create a hyperlink on the webpages. This hyperlink is used to link the webpages to other web pages or some section of the same web page. It's either used to provide an absolute reference or a relative reference as its "href" value.

Syntax :

` Link name `

There are two ways for url in attribute.

1. Absolute URL : It points to another website.

Ex. ``

2. Relative URL : It points to a file within a web site.

Ex. ``

17) How to create hyperlink in HTML ?

Ans : To insert a hyperlink in a html page, we have to utilize the anchor tags <a> and labels, which are used to characterize the connections. The <a> tag demonstrates where the hyperlink begins and the tag shows where it closes. Whatever text gets added inside these labels, will function as a hyperlinks. Add the URL for the connection in the .

18) Relative paths makes your hypertext links _____ .

Ans : Portable

19) In the following example, which type of HTML link is defined ?

20) Why are images used on webpages ?

Ans : On the internet, images are used for all kinds of reasons : to enhance websites, to illustrates stories, in ad displays, to present products or services, as stand-alone "a picture is worth a thousand words" meaning rich tools, and sure, on social media.

21) What is the default value of the “target” attribute ?

Ans : A target attribute with the value of “_self” opens the linked document in the same frame as it was clicked (this is the default and usually does not need to be specified).

22) Types of list in HTML.

Ans : There are 3 types of lists given below.

- a. Ordered list
- b. Unordered list
- c. Definition list

23) Which HTML tags are used to create table structure ? Explain in brief at least five .

Ans : An HTML table is defined with the “Table” tag. Each table row is defined with the “tr” tag. A table header is defined with the “th” tag. By default, table headings are bold and centered. A table data/cell is defined with the “td” tag. An HTML table also includes <caption>, <colgroup>, <thead>, <tfoot>, and <tbody> elements.

24) What is a caption ?

Ans : Caption is used to specify the caption of a table. This tag will be inserted just after the <table> tag. Only one caption can be specified for one table. It is by default aligned to the center.

25) Which attribute allows you to add descriptive text to a table ?

Ans : Caption attribute allows you to add descriptive text to a table.

26) Which HTML attribute is used to set the space between cells in an HTML element ?

Ans : The HTML <table> cellpadding attribute is used to specify the space between the cells. The cellpadding attribute is set in terms of pixels.

27) Which attribute do you use to span table cells across table columns ?

Ans : The colspan attribute in HTML specifies the number of columns a cell should span. It allows the single table cell to span the width of more than one cell or column. It provides the same functionality as “merge cell” in a spreadsheet program like Excel. It can be used with <td> and <th> element while creating an HTML table.

28) Which has higher priority in table -- cell setting or table setting ?

Ans : Cell setting

29) HTML attribute values are usually enclosed in ?

Ans : Attributes are always added to the start tag of an HTML element. Attribute values should always be enclosed in quotes. Double style quotes (“ ”) are the most common, but single style quotes (‘ ’) are also allowed.

30) HTML entities. To display a less than sign we must write :

Ans : To display a less than sign in HTML entities we must try < name or < number.

31) For a radio button to be marked as on what is the recommended attribute and value ?

Ans : Defines a by default checked radio button. We should specify the value attribute so that the information is delivered to the server, on form submission. If the value attribute is not specified, the form data assigns a value ‘on’ to the entire radio group.

32) HTML 5 what is a new attribute for both and <input> ?

Ans : placeholder

Autofocus

Autocomplete

Required

Pattern
List
Multiple
Novalidate
Formnovalidate
Form
Formaction
Formenctype
Formmethod
Formtarget

33) HTML what is the internal/wire format of input type="date" in HTML 5?

Ans : YYYY-MM-DD

34) What are the input types in HTML ?

Ans : Here are the different types you can use in HTML.

- `<input type="button">`
- `<input type="checkbox">`
- `<input type="color">`
- `<input type="date">`
- `<input type="datetime-local">`
- `<input type="email">`
- `<input type="file">`
- `<input type="hidden">`
- `<input type="image">`
- `<input type="month">`
- `<input type="number">`
- `<input type="password">`
- `<input type="radio">`
- `<input type="range">`
- `<input type="reset">`
- `<input type="search">`
- `<input type="submit">`

- `<input type="tel">`
- `<input type="text">`
- `<input type="time">`

35) What are new Input types included in HTML 5 ?

Ans : Color : This input type allows the user to select a color from a color picker.

Date : This allows the user to select a date from a drop-down calendar.

Time : This allows user to enter a time.

35) What is the use of `<fieldset>` ?

Ans : The `<fieldset>` tag in HTML 5 is used to make a group of related elements in the form, and it creates the box over the elements. The `<fieldset>` tag is new in HTML 5.

36) What is the use of `<nav>` tag ?

Ans : `<nav>` tag is used for declaring the navigational section in HTML documents. Website typically have sections dedicated to navigational links, which enables users to navigate the site.

37) Difference Between `` and `<div>` tag ?

Ans : `` tag is an inline element. Where `<div>` tag is a block level element.

`` tag is best to attach a CSS to a small section of a line in a webpage. Where `<div>` tag is best to attach it to a section of a webpage.

 tag does not accept align attribute. Where <div> tag accepts align attribute.

38) How to Embed javascript in HTML?

Ans : Javascript code can be embedded inline into an HTML document by using the dedicated HTMLtag <script>. This HTML wraps around the JS code. The <script> tag can be placed either in the <head> section of your HTML or in the <body> section. The placement entirely depends on when you want the JS code to load.

39) How do we specify line breaks in HTML ?

Ans : The browser does not recognize new lines and paragraph formatting in the text. If you want to start a new line, you need to insert a line break with the help of the
. The
 tag inserts a single carriage return or breaks in the document. This element has no end tag.

40) Explain HTML 5 element?

Ans : <article> tag : The <article> tag is one of the new sectioning element in HTML5. The HTML <article> tag is used to represent an article.

<aside> tag : This tag is used to describe the main object of the webpage in a shorter way like a highlighter.

<audio> tag : This tag is used to insert an audio in HTML webpage.

<video> tag : This tag is used to insert an video in HTML webpage.

<canvas> tag : This tag is used to draw graphics on a web page using javascript.

<command> tag : This tag is define a command button, invoke as per user action.

41) Which tag is used in HTML 5 for insert Video ?

Ans : <video> tag is used to insert video in HTML 5 .

42) HTML event attributes onunload fires .

Ans : The onunload event attribute works when the document is being unloaded. i.e. It occurs when the browser has been closed. It is mostly used when the user opens a link and submits the form and closes the browser window. Basically, it is :

- Fired when a user navigates away from a page or closes the browser.
- Useful for executing cleanup actions or displaying confirmation prompts.
- Allows to handle scenatios before the page unloads.