**MEAN STACK ASSESSMENT QUESTION ANSWERS**

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**TOPICS:** **HTML,CSS,JAVASCRIPT,BOOTSTRAP**

1)What is HTML?

A) Hypertext Markup Language (HTML) is the standard [markup language](https://en.wikipedia.org/wiki/Markup_language) for documents designed to be displayed in a [web browser](https://en.wikipedia.org/wiki/Web_browser). It can be assisted by technologies such as [Cascading Style Sheets](https://en.wikipedia.org/wiki/Cascading_Style_Sheets) (CSS) and [scripting languages](https://en.wikipedia.org/wiki/Scripting_language) such as [JavaScript](https://en.wikipedia.org/wiki/JavaScript).

2)What is tag in html?

A) HTML tags are like keywords which defines that how web browser will format and display the content. With the help of tags, a web browser can distinguish between an HTML content and a simple content. HTML tags contain three main parts: opening tag, content and closing tag. But some HTML tags are unclosed tags.

3)Write basic structure of the html template?

A) An HTML document has two\* main parts: head. The head element contains title and meta data of a web document.

<html>

<head>

<title>tile name</title>

<body>

//body content

</body>

</head>

</html>

4)Define attributes in tag html tag with eg?

A) All HTML elements can have attributes. Attributes provide additional information about elements. Attributes are always specified in the start tag. Attributes usually come in name/value pairs like: name="value"

5)What are <br> tags in html?

A) The HTML <br> element produces a line break in text (carriage-return).

6) What are some of the common lists that can be used when designing a page?

A)Ordered list.

Unordered list.

7) How do you insert a comment in Html?

A) This element is used to add a comment to an HTML document. An HTML comment begins with <! –– and the comment closes with ––> . HTML comments are visible to anyone that views the page source code, but are not rendered when the HTML document is rendered by a browser.

8)What are applets?

A) An applet is a small program that is intended not to be run on its own, but rather to be embedded inside another application

9)What is a marquee?

A) The marquee tag is a non-standard HTML element which causes text to scroll up, down, left or right automatically.

10) How do you make a picture into a background image of a webpage?

A) To set the background image of a webpage, use the CSS style. Under the CSS <style> tag, add the property background-image. The property sets a graphic such as jpg, png, svg, gif, etc.

11)Name two new tags included in the html5?

A) <footer>   
Defines a footer for a document or section

<header>

Defines a header for a document or section

These are the 2 new tags in html5

12)What are the different between html elements and tags?

Technically, an HTML element is the collection of start tag, its attributes, an end tag and everything in between. On the other hand an HTML tag (either opening or closing) is used to mark the start or end of an element, as you can see in the above illustration.

13)Define forms in HTMLwith example by creating a simple form?

A) An HTML form is a section of a document containing normal content, markup, special elements called controls (checkboxes, radio buttons, menus, etc.), and labels on those controls.

<html>

<body>

<h2>HTML Forms</h2>

<form >

<label for="fname">First name:</label><br>

<input type="text" ><br>

<label for="lname">Last name:</label><br>

<input type="text " ><br><br>

<input type="submit" value="Submit">

</form>

</body>

</html>

14) How can we create a Hyperlink in Html?

To make a hyperlink in an HTML page, use the <a> and </a> tags, which are the tags used to define the links. The <a> tag indicates where the hyperlink starts and the </a> tag indicates where it ends.

15)What is an image map?

A) An image map is an image with clickable areas. In HTML and XHTML, an image map is a list of coordinates relating to a specific image, created in order to hyperlink areas of the image to different destinations.

16) How can you integrate Css on a Webpage?

A) There are three ways to integrate CSS into a Web page.

1. a.) Inline: HTML elements may have CSS applied to them via the STYLE attribute.
2. b.) Embedded: By placing the code in a STYLE element within the HEAD element.
3. c.) Linked/ Imported: Place the CSS in an external file and link it via a link element.

17)What is the difference between the usage of an id and class?

A) The difference between an ID and a class is that an ID is only used to identify one single element in our HTML. ... However, a class can be used to identify more than one HTML element.

18)What are Css Sprites?

A) CSS Sprites are a means of combining multiple images into a single image file for use on a website, to help with performance.

19)What are different modules used in te current version of CSS?

A) Selectors. Box Model. Backgrounds and Borders.

20)What is responsive web design?

A) Responsive web design is an approach to web design that makes web pages render well on a variety of devices and window or screen sizes.

21)What is the use of box shadow in Css?

A) The box-shadow CSS property adds shadow effects around an element's frame.

22)What is Block Formatting Context?

A) A block formatting context is a part of a visual CSS rendering of a web page. It's the region in which the layout of block boxes occurs and in which floats interact with other elements.

23)Difference between static,relative absolute and fixed position?

A) Static - this is the default value, all elements are in order as they appear in the document. Relative - the element is positioned relative to its normal position. Absolute - the element is positioned absolutely to its first positioned parent. Fixed - the element is positioned related to the browser window.

24)Difference between visibility hidden and display none?

A) display:none means that the tag in question will not appear on the page at all (although you can still interact with it through the dom). ... visibility:hidden means that unlike display:none, the tag is not visible, but space is allocated for it on the page.

25) In Css a case sensitive or case insensitive?

A) CSS selectors are generally case-insensitive; this includes class and ID selectors.

26)Explain float property in Css?

The float CSS property places an element on the left or right side of its container, allowing text and inline elements to wrap around it.

27)Enumerate the difference between java and javascript?

A) JavaScript can be used to do neat things like creating animation in HTML. ... JavaScript code is run on a browser only, while Java creates applications that run in a virtual machine or browser.

28)What is the keyword in javascript?

A) Keywords are reserved words in JavaScript that you cannot use to indicate variable labels or function names.

29)What is ==operator?

A) The equality operator (==) is used to compare two values or expressions. It is used to compare numbers, strings, Boolean values, variables, objects, arrays, or functions.

30) What are all types of Pop up boxes available in JavaScript?

A) There are three types of pop up boxes in JavaScript namely Alert Box, Confirm Box and Prompt Box. Alert Box: It is used when a warning message is needed to be produced. When the alert box is displayed to the user, the user needs to press ok and proceed.

31) Write the code for adding new elements dynamically?

A) var fruits = ["Banana", "Orange", "Apple", "Mango"];  
fruits.push("Kiwi", "Lemon", "Pineapple");

32) What are the two basic groups of dataypes in JavaScript?

A) primitive (or primary), composite (or reference) data types. String, Number, and Boolean are primitive data types. Object, Array, and Function (which are all types of objects) are composite data types.

33) What is variable typing explain with an example?

A) It means that JavaScript will figure out what type of data you have and make the necessary adjustments so that you don't have to redefine your different types of data.

34) Define Bootstrap?

A) Bootstrap is a free and open-source CSS framework directed at responsive, mobile-first front-end web development.

35) Write a program to reverse a string in JavaScript?

A)var num=123;

Var data=””;

While (number!=0){

Var digit=number%10;

Data=data+String(digit)

Number=Math.floor(number/10)

}

Console.log(data);

36. How many types of layouts are there in Bootstrap? Explain?

A) There are two types of layouts in Bootstrap. They are: Fluid Layout. Fixed Layout

37. Explain Grid System in bootstrap?

A) The Bootstrap Grid System is used for layout, specifically Responsive Layouts. ... The Grid is made up of groupings of Rows & Columns inside 1 or more Containers.

38) Explain why to choose Bootstrap for building the websites?

A) Bootstrap is a framework to help you design websites faster and easier. It includes HTML and CSS based design templates for typography, forms, buttons, tables, navigation, modals, image carousels, etc. It also gives you support for JavaScript plugins. ..

39) What is the use of Jumbotron in Bootstrap?

A) A jumbotron indicates a big box for calling extra attention to some special content or information. A jumbotron is displayed as a grey box with rounded corners. It also enlarges the font sizes of the text inside it.