**HTML**

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1. What is HTML5?

**Answer 1.** HTML5 is the latest version of Hypertext Markup Language used to structure and present content on the web. It introduces new features like semantic elements, audio and video support, and improved accessibility.

1. What is DOCTYPE! in HTML ?

**Answer 2.** The <!DOCTYPE> declaration in HTML specifies the document type and version. In HTML5, it's simply <!DOCTYPE html>.

1. What are the New Elements in HTML5?

**Answer 3.**

|  |  |
| --- | --- |
| <embed> | It defines a container for external files/application/media. |
| <source> | It defines multiple media resources for the media elements. |
| <track>, <video> | It defines text tracks for <audio> and <video> files |

1. What is the preferred way for adding a background color in HTML?

**Answer 4.** The attribute that is used to set background color of an HTML element is bg color. Depending on the element whose background color is to be set, we use the appropriate tag. The bgcolor attribute can be used with the following tags- body, table, td, th, tr, marquee.

1. What is the correct HTML for creating a hyperlink?

**Answer 5.** <a> tag

1. How can you open a link in a new browser window?

**Answer 6.**

If you set target to "\_blank" , the URL will usually open in a new tab. Users can configure their browsers to open links in a new window. Note that there is a security concern with using target="\_blank" : The linked page gets partial access to the linking page through the window.

1. What tag is used to add columns to tables?

**Answer:**  <td> is used to add columns in the tables.

1. Write an html to explain the use of column span and row span?

**Answer 8.**

Html To make a cell span over multiple columns, use the colspan

Attribute :

<table>  
 <tr>  
 <th colspan="2">Name</th>  
 <th>Age</th>  
 </tr>  
 <tr>  
 <td>Jill</td>  
 <td>Smith</td>  
 <td>43</td>  
 </tr>  
 <tr>  
 <td>Eve</td>  
 <td>Jackson</td>  
 <td>57</td>  
 </tr>  
</table>

1. Fix this code.

<div>

<h4>Hello</h3>

<p><span>Ramesh</p>

<div>

**Answer 9.**

<div>

<h4>Hello</h3>

<p>

<span>Ramesh</span>

</p>

<div>

1. Which of these tags will create a single space character?
2. <td>
3. <th>
4. &nbsp;
5. <b>

**Answer:** &nbsp

|  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| 1. Which of the following represents the basic tag structure of an XHTML document?  a) <html><head><body></body></html>   b) <html><body></body></html>  c) <html><head></head><body></body></html>  d) <html><head></head></html>  **Answer:** <html><head></head><body></body></html   1. How can we merge 2 Columns and 2 Rows?  |  |  |  |  |  | | --- | --- | --- | --- | --- | |  |  |  |  |  | |  |  |  |  | |  |  |  |  |  | |  |  |  |  |  | |  |  |  |  |   **Answer:**  <table border="1">  <tr>  <td rowspan="2">Cell 1</td>  <td colspan="2">Merged Cells</td>  </tr>  <tr>  <td>Cell 2</td>  <td>Cell 3</td>  </tr>  <tr>  <td colspan="2">Cell 4</td>  <td>Cell 5</td>  </tr>  </table |
| 1. What are meta tags and why are they used?   **Answer:** Meta tags are HTML tags used to provide additional information about a page to search engines and other clients. Clients process the meta tags and ignore those they don't support. meta tags are added to the <head> section of your HTML page and generally look like this: <! DOCTYPE html>.   1. Write html for button?   **Answer:** <button> Click </button   1. Difference between margin and padding?   **Answer:**  **Margin**: Space outside of an element, creating distance between it and other elements.  **Padding**: Space inside of an element, creating distance between its content and its border.   1. Write a media query for mobile device.?   **Answer 16.**   1. Inside which tag we can add <link> in HTML?   **Answer: <link>**   1. Which HTML attribute is used to define inline styles?   **Answer: style** attribute.  19. How many types of position are there in CSS?  **Answer:** static, relative, absolute, fixed, or sticky.  20. What are the possible values for the display attribute?  **Answer:**   * **block**: Makes an element a block-level element, taking up the full width available and stacking vertically. * **inline**: Makes an element an inline-level element, allowing it to flow within text content without creating line breaks. * **inline-block**: Combines features of both block and inline elements, allowing elements to stack horizontally like inline elements but also accept width and height properties like block elements. * **none**: Hides the element from the layout, effectively removing it from the document flow. * **flex**: Turns an element into a flex container, allowing you to use flexbox properties to control the layout of its children. * **grid**: Turns an element into a grid container, allowing you to use grid properties to control the layout of its children. * **table**: Makes an element behave like a table element, allowing you to use table-related properties. * **inline-table**: Makes an element an inline-level table. * **list-item**: Makes an element a list item, typically used with **<li>** elements in lists   21. What does the CSS float property do, Explain all properties? **Answer:**   * **float:left;** - Moves an element to the left within its container, allowing other elements to flow around it on the right. * **float: right;** - Moves an element to the right within its container, allowing other elements to flow around it on the left. * **float: none;** - Default value, elements are not floated and display in the normal flow of the document. * **float: inherit;** - Inherits the float value from its parent element.  1. What is the difference between ID and Class?   **Answer: Class**: Classes are used to apply styles to multiple elements. Multiple elements can share the same class, and a single element can have multiple classes.  **ID**: IDs are used to uniquely identify a single element on a page. Each ID should only be used once per page.   1. What is the difference between Value and Placeholder in form input?   Answer: value" attribute sets the initial value of the input field, while the "placeholder" attribute pr provides a hint or example text to guide users on what to input into the field.   1. What bootstrap class we can use to make 5 same width column in a row?   **Answer:** To create a row with five columns of equal width using Bootstrap, you can use the grid system and divide the row into five equal parts. You can achieve this by using the **col** class with appropriate sizing.   1. What is Gap in flex?   **Answer:** The **gap** property in Flexbox allows you to easily control the spacing between flex items without using margin or padding. It's great for creating consistent and responsive layouts in modern browsers.   1. What is flex direction, Explain type.   **Answer: flex-direction** determines the layout direction of flex items inside a flex container, offering options for both horizontal and vertical arrangements, as well as reverse orderings of those arrangements.   1. What justify-content do in flex explain.   **Answer: justify-content** helps control the spacing and alignment of flex items along the main axis of the flex container, allowing for various layouts and designs.   1. In bootstrap we want 4 columns in one row, 2 columns in mobile write html for that.   **Answer 28.** To create a row with four columns on larger screens and two columns on mobile devices using Bootstrap, you can use the grid system and specify column sizes for different breakpoints.   1. What is danger class in bootstrap button?   **Answer 29.** The "btn-danger" class in Bootstrap is used to style buttons with a red color, typically indicating a dangerous or negative action.   1. Write Bootstrap html for below structure. |
| **Answer 30.**  <div class="container">  <div class="row">  <div class="col-sm-4">  <div class="custom-box bg-primary"></div>  </div>  <div class="col-sm-4">  <div class="custom-box bg-warning"></div>  </div>  <div class="col-sm-4">  <div class="custom-box bg-primary"></div>  </div>  </div>  </div> |