

HTML & CSS

1. What is <div> tag is used in HTML code??

- <div> elements → the <div> tag is nothing more than a container until that encapsulates other page elements and divides the HTML document into sections.
- Web developers use <div> elements to group together HTML elements and apply CSS styles to many elements at once.

2. Web Application Architecture??

- Front End
 - HTML structure : is only responsible data
 - CSS presentation/appearance : for design
 - JavaScript dynamism/action : for function
- Back End → Database

3. What is HTML??

- It is a language for describing webpages. (created in 1991 by Tim Berners Lee)
- It stands for Hyper Text Markup Language.
- It is not a programming language; it is markup language.
- A markup language is a collection of markup tags
- It uses markup tags to describe Web pages.
- Html is recommend writing everything lowercase

4. What is TAGS??

- Creating the web elements
- They act like containers. They tell you something about the information that lies between their opening and closing tags.
- Inside the tags there is attributes

5. What is ATTRIBUTES?

- It is provide additional information about the contents of an element.
- They appear on the opening tag of the element.
- value attribute is the actual value
- name attribute is the identifier to this value

6. How to write HTML files?

Index.html

Structure of an HTML page:

```
<!DOCTYPE html>
<html>
  <head>
    <title> Capture </title>
  </head>
  <body>
    Content
  </body>
</html>
```

7. What is DOCTYPE HTML?

- `<!DOCTYPE html>`
- It is an instruction to the web browser about what version of HTML (HTML5) the page is written in
 - Must be at the top of the document
 - Declaration is not case-sensitive

8. Headings?

- HTML defines six levels font of headings.
- The heading elements are h1, h2, h3, h4, h5, and h6 with h1 being the highest (or most important) level and h6 the least.
 - `<h1>` `>` `<h2>` `>` `<h3>` `>` `<h4>` `>` `<h5>` `>` `<h6>`

9. Line breaks?

- `
` add a line between paragraphs, goes to next line, this tag doesn't need closing
- `
` To add a line break inside the middle of paragraph
- `<p>` Welcome to the webpage. `
` Everything you want to know is inside this website`</p>`

10. Horizontal Rules?

- `<hr/>` To create break between themes (after finishing the paragraph and before the new headings)

11. Bold Italic Underlined Comment Paragraphs?

- **BOLD** `` ``
- **ITALIC** `<i>` `</i>`
- **UNDERLINED** `<u>` `</u>`
- **COMMENT** `<!-- -->`
- **PARAGRAPHS** `<p>` `</p>`

12. Align & Style?

- `<h1 style = "text-align:center; background: black; color:yellow; ">`This is Cybertek!`</h1>`
- `<h2 style="color:orange">`Who we are?`</h2>`

13. Background Color?

`<body style="background: url(https://images7.alphacoders.com/373/thumb-1920-373253.jpg);">` `</body>`

14. IMAGES?

`<h4>`This is a cat!`</h4>`
````

img => tag

src => attribute

cat1.jpg => value

15. LIST?

Each line is one item of list

```
<ul> <!-- closing tag -->
  <li> Java </li>
  <li> Selenium </li>
  <li> Agile </li>
  <li> API </li>
</ul>
```

16. LINKS?

```
<a href="https://www.w3schools.com/Html/html_styles.asp">TRY YOURSELF</a>
```

a: Tag which means link

href: Attribute which indicates the destination of the link application.

html Actual URL where the link will go

17. Create a TABLE?

```
<table> <!-- creates a table -->
<thead> <!-- row of headers -->
  <th>First Name</th><!-- column name -->
  <th>Last Name</th>
  <th>Subject Name</th>
</thead>
<tbody> <!-- content of the table -->
  <tr> <!-- row in a table -->
    <td>Nadir</td> <!-- cell -->
    <td>Shafiev</td>
    <td>JIRA</td>
  </tr>
  <tr>
    <td>Akbar</td>
    <td>Smith</td>
    <td>OCA</td>
  </tr>
</tbody>
</table>
```

18. How to see changes?

- make changes on the html file
- save the file CTRL+S or CMD+S
- refresh the html file on the chrome

19. How to refresh?

- F5
- CMD +R or CTRL + R
- Click the refresh button on the browser
- open the file again
- select the URL

20. What is FORMS?

- Has referred to a printed document that contains spaces for you to fill in info

1- Adding text :

- Text Input `<input type="text" name=>`
`<input type="text" name="username" size="15" maxlength="30"/>`
- Password Input `<input type="text" name=>`
`<input type="text" name="password" size="15" maxlength="30"/>`
- Text Area (Multi Line) `<textarea> </textarea>>`
`<textarea name="comments" cols="20" rows="3">Enter your comments</textarea>`

2- Making Choices

- Radio Button
`<input type="radio" name="gender"> Female<!-- only one option-->`
- Check Button
`<input type="checkbox">Superbowl commercial <!-- multiple options-->`
`<input type="checkbox" checked>Superbowl commercial`
- Drop-Down List Box
`<label> </label>`
`<select>`
`<option>Spring 2019</option>`
- Multiple Select Box
`<label> </label>`
`<select name="" size="2" multiple="multiple">`
`<option>Spring 2019</option>`
`<option> Fall 2019</option>`

3- Submitting Forms

Submit Button

`<input type="submit" value="Apply"></input>`