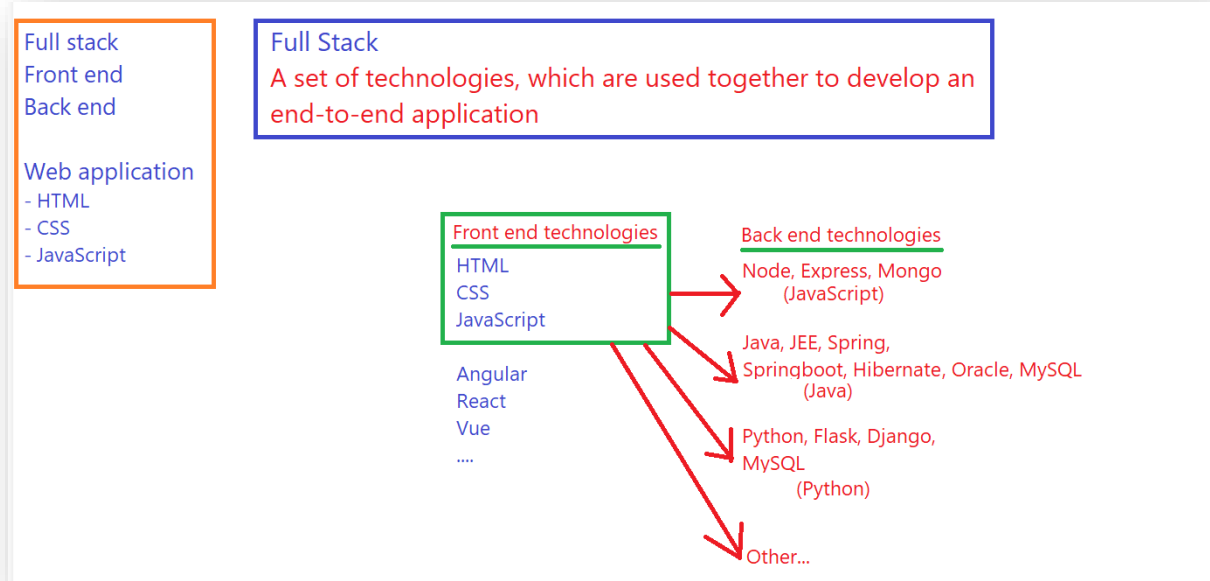
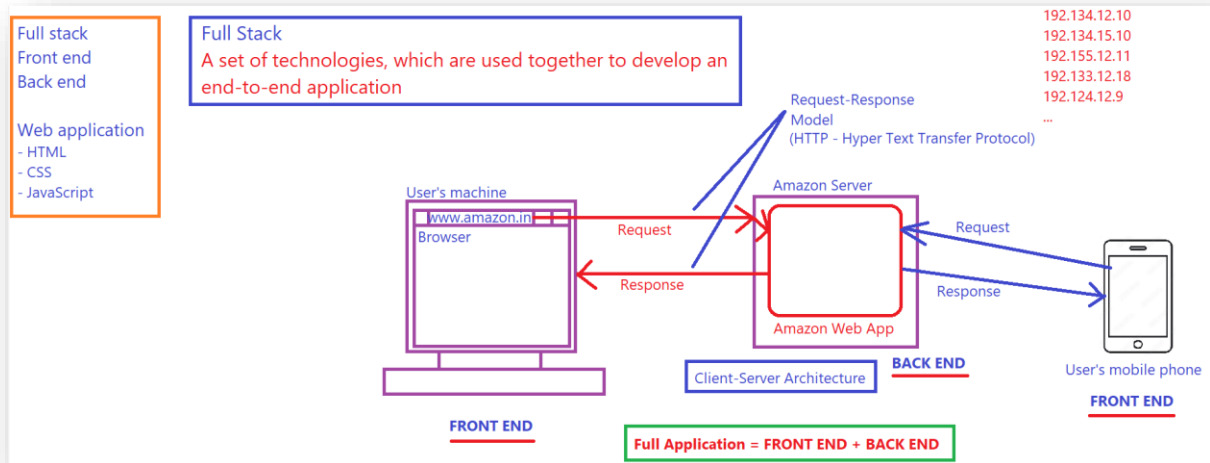




HTML

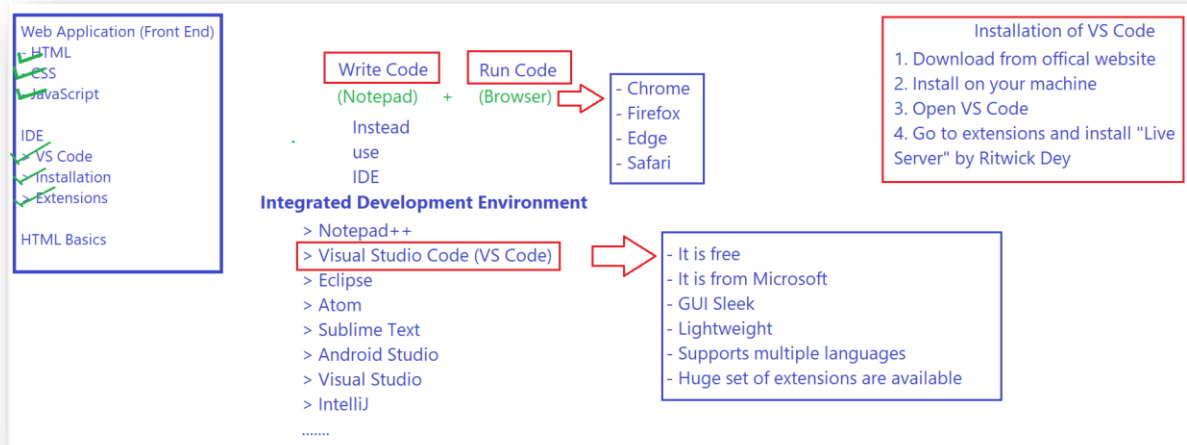
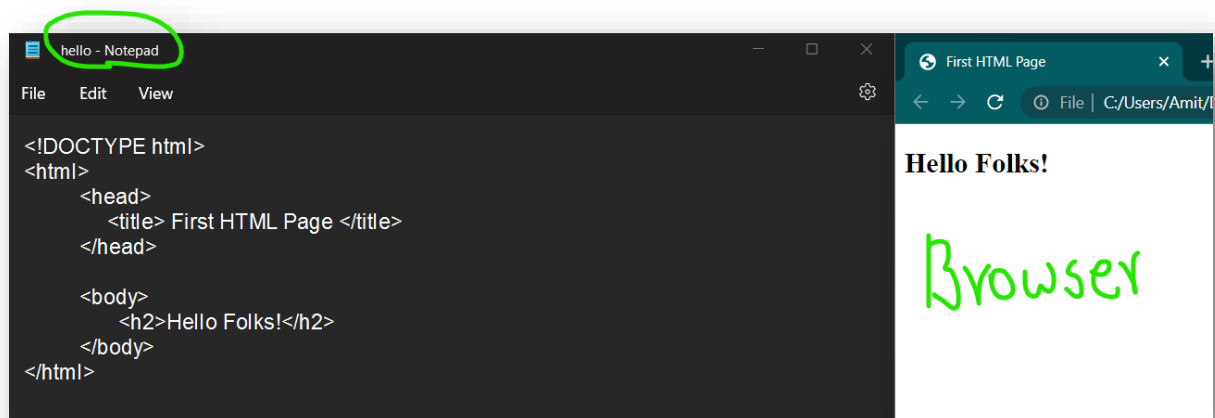
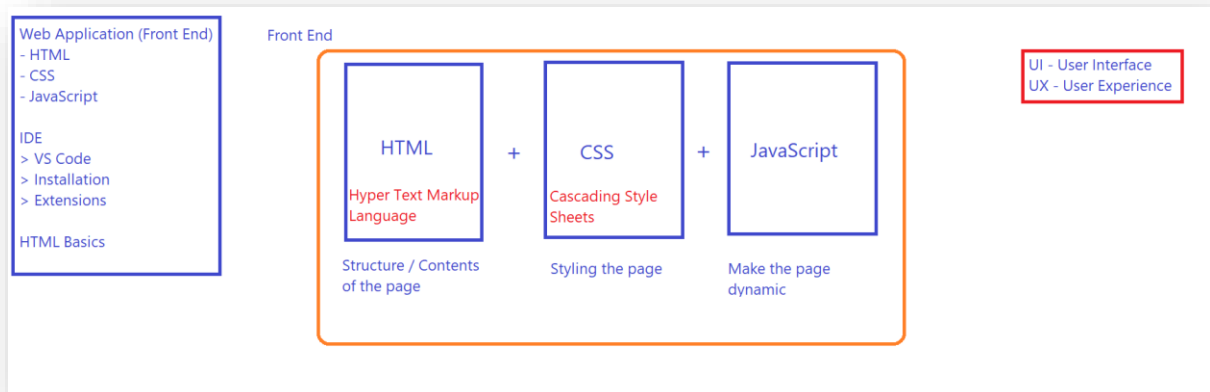
Tuesday, 19 July 2022





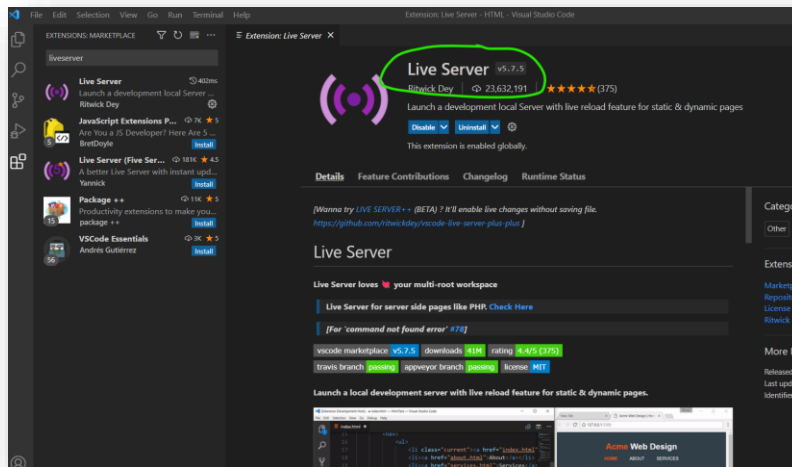
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Wednesday, 20 July 2022





Thursday, 21 July 2022



VS Code basics
HTML Basics
Live Server Extension

WebView

HTML

- > HyperText Markup Language
- > This language is understood by Browsers
- > It is a language of the Web
(Every site you find on web is in html)
- > It allows us to create web sites / web applications
- > The main component in an HTML is **Element** (using **Tags/Markups**)
- > It uses these tags to create the structure of the document

To become a master in HTML, we should master the tags

VS Code basics
HTML Basics
Live Server Extension

WebView

We have an HTML file
To open this file in browser, there are 2 options

- Directly open the file in browser
(which basically means that you have opened html just like any other normal file)
- Open the file through some server
(which basically means that your html is working as a part of a web application)

In order to create a server on our local machine (so that our code works as a web application), we use the "Live Server" extension provided for VS Code

Website

- > simple, plain
- > no dynamic content
- > mostly links will be present

Web Application

- > complex, feature-rich
- > dynamic

Types of application:

- Web Application (used through browsers)
- Desktop Application (installed on computer)
- Mobile Application (installed on mobile devices)



Friday, 22 July 2022

```
!
!!!
Emmet Abbreviation
<!DOCTYPE html>
<html lang="en">
<head>
  <meta charset="UTF-8">
  <meta http-equiv="X-UA-
Compatible"
content="IE=edge">
  <meta name="viewport"
content="width=device-width,
initial-scale=1.0">
  <title>Document</title>
</head>
<body>
  |
</body>
</html>
```

- HTML Basics
 - > Structure
 - > Comments
 - > Elements
 - > Tags
 - > DOM

HTML Structure

Open tag

Close tag

```
<!DOCTYPE html>
<html lang="en">
<head>
  <title>My HTML Page</title>
</head>
<body>
  |
</body>
</html>
```

Note: Most of the tags have an open and close. However there are few tags which do not have a closing tag. Such tags are known as Empty tags.

Emmet

- > VS Code provides with an in-built tool called "Emmet"
- > This tool helps us in auto generation of code

<!DOCTYPE html> : [This is a HTML 5 document](#)

<html lang="en"> : [This is the root element of the HTML doc](#)

<head> : [This contains Metadata \(Data about data\)](#)

<title> : [This contains the page title \(browser's tab title\)](#)

<body>: This is the main body of the page
--> [This is the only part which will be rendered by the browser in its window \(also known as Viewport\)](#)

HTML Basics

- > Structure
- > Comments
- > Elements
- > Tags
- > DOM

HTML Comments

- > Comments help us provide more information about the code we have written
- > They are helpful to someone who has not written the code, but is now going to work on the code
- > In html we can provide comments as below

<!-- This is a comment -->

- > As a developer you should have a habit of writing comments wherever necessary

```
<!DOCTYPE html> <!-- This is a HTML5 document -->
<html lang="en"> <!-- This is the root element -->
<head> <!-- This is the head of the page -->
  <title>My HTML Page</title> <!-- This is the title of the page-->
</head>
<body>

</body>
</html>
```

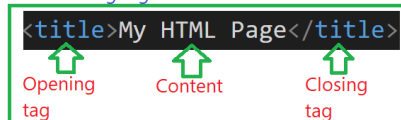
The shortcut to insert a comment in VS code is: **Ctrl + /**

HTML Basics

- > Structure
- > Comments
- > Elements
- > Tags
- > DOM

HTML Elements

- > These are the basic building blocks of an HTML document
- > An element is defined by a Open Tag and a Close Tag
- > An element may contain some **content** between the opening tag and the closing tag



The diagram shows the HTML code `<title>My HTML Page</title>` enclosed in a green box. Three green arrows point upwards from labels below to the code: 'Opening tag' points to `<title>`, 'Content' points to `My HTML Page`, and 'Closing tag' points to `</title>`.

- > There are few elements which do not have a closing tag and content
- > One element may contain another element (Parent-Child relationship) - Nested Elements

Monday, 25 July 2022

- > HTML File extensions
- > Developer tools
- > Inspect Element
- > View Source
- > HTML DOM

A HTML page (file) can be stored using 2 extensions:

.html
.htm

- > .html is the preferred extension
- > There could be situation for in which .htm is not supported

- > HTML File extensions
- > Developer tools
- > Inspect Element
- > View Source
- > HTML DOM

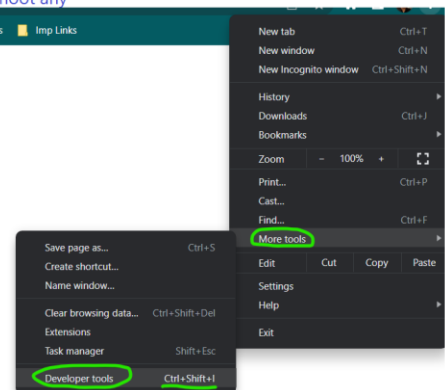
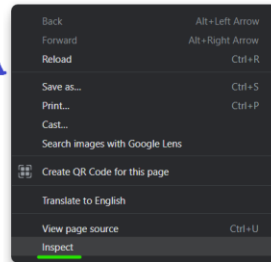
Developer tools

- > All major browsers provide a feature known a "Developer tools"
- > This feature provides ways for a developer to view, debug, troubleshoot any issues. etc... related to the page
- > To invoke the developer tools, we have following options:

- Menu

- Right Click + Inspect

- Short cut keys
Ctrl + Shift + i



- > HTML File extensions
- > Developer tools
- > Inspect Element
- > View Source
- > HTML DOM

Developer tools

Inspect (Element)

- > This is used to inspect a particular element which is present on the HTML page
- > We can check the different attributes/properties related to an element
- > We can quickly modify them to see the results.

View Source

- > This is used to see the complete source code (.html page code)



- > HTML File extensions
- > Developer tools
- > Inspect Element
- > View Source
- > HTML DOM

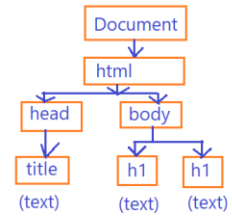
HTML DOM (Document Object Model)

> When we received a response from the Server (which is generally HTML), then following things happen:

- > Browser will parse the HTML file
- > Browser will create a Document Object Model (DOM) structure
- > Browser will render (show) the html page

DOM is like the in-memory representation of your HTML page

Any changes you make to the DOM, will in turn have effect on your page





Tuesday, 26 July 2022

Heading tag

- > Headings tag
- > HTML Attributes
- > Anchor tag
- > Image tag

Headings

- > They are used to display a text
- > The size of the text shows its importance
- > <h1> to <h6>
- > The importance of these tags come into picture when a BOT is crawling on your page. Basically in SEO (Search Engine Optimization), the engine will consider h1 (to h6) as your main content topic header
- > DO NOT use heading tags just to make your content look large and bold

```
<h1>This is heading h1</h1>
<h2>This is heading h2</h2>
<h3>This is heading h3</h3>
<h4>This is heading h4</h4>
<h5>This is heading h5</h5>
<h6>This is heading h6</h6>
```

This is heading h1

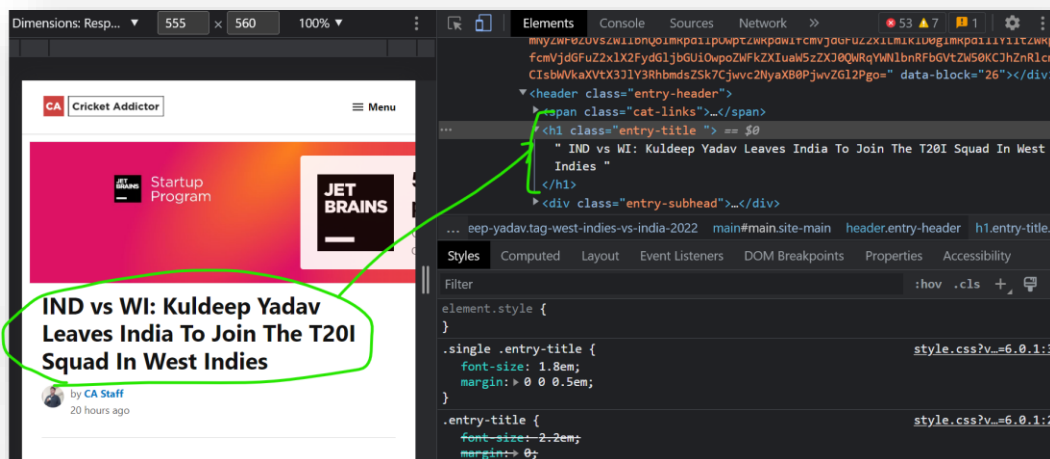
This is heading h2

This is heading h3

This is heading h4

This is heading h5

This is heading h6



- > Headings tag
- > HTML Attributes
- > Anchor tag
- > Image tag

HTML Attributes

- > These are like properties of an element
- > It provides more information for an element

Anchor tag

- > Used to provide links

```
<a href="https://www.cricbuzz.com/">Check Score</a>
```

tag Attribute value of Attribute Content

- Absolute link
- > Full path of the link

- Relative link
- > Specify path w.r.t current folder

```
<a href="/02-headings.html">Goto Headings Demo</a>
```



- > Headings tag
- > HTML Attributes
- > Anchor tag
- > Image tag

Add-on course

Image tag

- > It is used to display images on your web page

```

```



When image is not
available at the path

```

```

When image is available
at the path





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Wednesday, 27 July 2022

```
<b>This is a bold line</b>
<br>
<i>This is a italic line</i>
<br>
<u>This is an underline</u>
<br>

<!-- Separation Line -->
<hr>

<big>This is big tag</big>
<br>
<small>This is small tag</small>

<hr>

<p>Lorem ipsum dolor sit amet consectetur adipisicing elit. Doloremque dolorem porro, placeat
ratione praesentium rerum veniam earum accusamus tempora repellendus? Tempora ex asperiores
nisi odit delectus voluptas laborum perspiciatis est accusamus adipisci iste, voluptatibus
deserunt corporis molestiae animi itaque quas similique error voluptatum. Sed quas culpa
atque nobis, deleniti dolorum?</p>

<hr>

<!-- Subscript / Superscript -->
<p>C<sub>2</sub></p>
<p>a<sup>2</sup> + b<sup>2</sup> + 2ab</p>

<hr>

<!-- Preserve tag -->
<b>Demo code:</b>
<pre>
function add(x, y){
  var res = x + y
  return res
}
</pre>
Hey!
Hope you are doing good
```

HTML Tags
> Few basics tags

Semantics

Quizizz

29 participants


START








Shuffle teams

Participants can't join after the game starts

Tiny Whales


7 players











-  aakash
-  Niteen
-  Rajendra
-  Devansh patil
-  Shreya parekar
-  Kajal rajput
-  Amol

Hurtling Turtles


8 players










-  Kirti Patil
-  Seems narwade
-  Saanaaat
-  shubham
-  Tanuja
-  Rajkiran Induri
-  Bhagyashri Shimpi
-  Shivam Bhavsar

Morning Owls


7 players










-  Tukaram Ibitdar
-  Snehal
-  Snehal Walke
-  Payal Patil
-  Nilam
-  Rahul Wadaskar
-  Priti

Woke Sloths

7 players



-  Vineet
-  Shraddha Sunil Patil
-  Dattatray Potankar
-  mansi pund
-  Rutuja
-  Priyanka Sawant
-  Prabal

Thursday, 28 July 2022

HTML symbols reference:

https://www.w3schools.com/charsets/ref_utf_symbols.asp

Friday, 29 July 2022

Table tag
Block / Inline elements
HTML Forms
Quizizz

Columns

Rows

Table is a collection of rows and columns

We use the <table> element to create a table in HTML
It is used to display the data in a tabular format

<table> Table
<tr> Row
<th> Column
<td> Data
<thead> Table header
<tbody> Table Body

```

<table>
  <!-- Table Head -->
  <thead>
    <!-- This is a special row for columns headers -->
    <tr>
      <th>Roll No</th>
      <th>Name</th>
      <th>Email</th>
      <th>Address</th>
      <th>Grade</th>
      <th>Date of birth</th>
    </tr>
  </thead>

  <!-- Table Body -->
  <tbody>
    <!-- First data row in the table -->
    <tr>
      <td>101</td>
      <td>Akash</td>
      <td>akash@fbs.com</td>
      <td>Satara</td>
      <td>A</td>
      <td>20-02-1999</td>
    </tr>
  </tbody>
</table>

```

Roll No	Name	Email	Address	Grade	Date of birth
101	Akash	akash@fbs.com	Satara	A	20-02-1999
102	Nidhi	nidhi@fbs.com	Nagpur	B+	12-05-2001
103	Yash	yash@fbs.com	Pune	A	10-07-1998
104	Priya	priya@fbs.com	Mumbai	A+	28-04-1997
105	Tushar	tushar@fbs.com	Kolhapur	A+	14-12-2000

Table tag
 Block / Inline elements
 HTML Forms
 Quizizz

Block Level Element

- > An element which always starts on a new line
- > It always consumes the whole width

E.g
 <div>
 <p>
 <pre>
 <h1> to <h6>
 <hr>

Inline Element

- > Inline element start on the same line (not on a new line like block level)
- > It consumes only required width

E.g
 <a>

 <i>
 <u>

Tuesday, 02 August 2022

> HTML semantics
 > Forms
 > Quizizz

HTML Form





```
<form action="/demo">
  <!--
    "id" attribute can be used for
    1. Linking
    2. Scripting (js)
    3. Styling (css)

    "name" attribute is generally used
    to refer the element's value on the backend
  -->

  <label for="uname">User Name</label>
  <input type="text" name="username" id="uname" placeholder="Enter your name">

  <br>
  <br>

  <label for="upass">User Password</label>
  <input type="password" name="userpassword" id="upass" placeholder="Enter your password">
  <br>
  <br>
  <label>Department
    <input type="text" name="userdept" id="udept" placeholder="Enter your department">
  </label>
  <br>
  <br>
  <input type="submit" value="Login">
</form>
```

① 127.0.0.1:5500/demo?username=Tushar&userpassword=tushar123&userdept=Maths

Wednesday, 03 August 2022

```
<fieldset>
  <legend>Select your IPL team</legend>

  <label>
    <input type="radio" name="team" id="teamcsk" value="CSK" checked>
    Chennai Super Kings
  </label>
  <br>
  <label>
    <input type="radio" name="team" id="teammi" value="MI">
    Mumbai Indians
  </label>
  <br>
  <label>
    <input type="radio" name="team" id="teamrcb" value="RCB">
    Royal Challengers Bangalore
  </label>
  <br>
  <label>
    <input type="radio" name="team" id="teamkkrr" value="KKR">
    Kolkata Knight Riders
  </label>
</fieldset>
<br><br>
<textarea name="teaminfo" id="teaminfo" cols="50" rows="10"
placeholder="Please provide information about your team"></textarea>
```



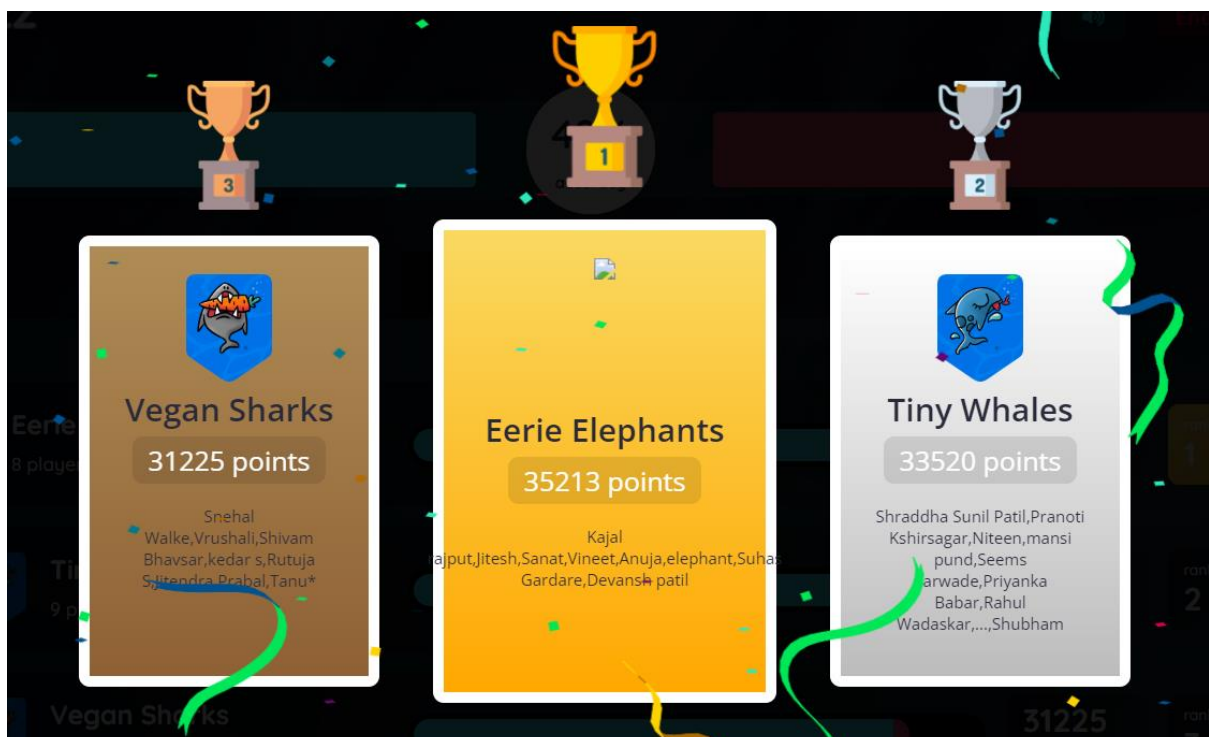
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```
<br><br>

<div>
  <select name="favplayer" id="favplayer">
    <option value="Msg">Select your player</option>
    <option value="VK">Virat Kohli</option>
    <option value="MS">MS Dhoni</option>
    <option value="RS">Rohit Sharma</option>
  </select>
</div>
<br><br>

<div>
  <input type="text" list="sponasers" name="sponaserslist">
  <datalist id="sponasers">
    <option value="Dream11">Dream11</option>
    <option value="Zomato">Zomato</option>
    <option value="Tata">Tata</option>
  </datalist>
</div>

<br><br>
<!-- Either use input element OR use button element -->
<!-- <input type="submit" value="Login"> -->
<button type="submit">Login</button>
```



Thursday, 04 August 2022

HTML Assignments
Git/Github
Being Professional
Intro to CSS

HTML Assignments

- > Do not refer to ready made solutions
- > You can/should refer to official documentation (MDN)
- > No need to use/add concepts which are not taught in class
- > Assignment submission will be done using **GitHub***
- > Once assignments are completed, inform in the group about the same (Paid group)