Front End

To create any web page we required 3 major components

1. Html

Html provides the basic structure, foundation or base for any webpage with some basic formatting features. Without html, css and java script not possible

1. CSS

Css provides extra formatting functionality and enhanced the reusability of code css work on html tags. It works with html and javascript. Without css development process is very lengthy and lot of repeated thing we have to include. Suppose a web site containing several webpages so we can make css template and apply on all the pages by changing just one file all the WebPages will be automatically change

1. Javascript : when user click somewhere on the page then some action should be performed. Client side validation is done by javascript. Timer , alert messages, input box display can be easily done by javascript.

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| 1. | What is HTML? |
| Ans | * HTML stands for Hyper text markup language. * It is responsible for presenting of data on the webpage or browser. It is use to create the static webpages. * It is non case sensitive language language * It execute on browser so every html code need browser to execute them (For example Chrome, firefox, opera) * It works on behalf of tags (which is open and closed by < > Angular brackets) or its tag based language * Html describe the structure of webpage * Html explain the browser how to display the content   Limitation of HTML   1. It provides the basic appearance of the webpage 2. Centralized controlling is not there 3. It does not provide style like **border**, **margin**, **padding**, **transparency** .**hover effect**, **removing under line of links**, etc |
| 2. | **What is tags in html** |
| Ans | Tags are predefine keywords for special meaning and purpose every tag has some specific task to perform approx 120 tags has been officially launched 25 tags about to launch  <html> </html>  <head> </head> |
| 3. | **Who is the father of Html** |
| Ans. | Tim Berner’s Lee The first version of HTML was written by Tim Berners-Lee in 1993 |
| 4. | **Company of Tim Berner’s Lee** |
| Ans | W3C **W**orld **W**ide **W**eb **C**onsortium it is use to decide or develop the web standards that standards will be globally accepted. |
| 5. | **How many types of tags in html** |
| Ans | There are 2 types of tags   1. Container Tags 2. Empty Tags / Self Closing Tags   **Container Tags**  Container tags are those tags which contains some other tags or some text For example <body> <head> <title>  **Empty Tags**  Empty Tags are those tags which doesnot contain some other tags or text but can contain some attribute  <br> <hr> <link> |
| 6. | **What are the possible Tags for Head**   1. <title> </title> 2. <script> </script> 3. <link></link> 4. <style> </style> 5. <no script> </no script> 6. <meta/> |
| 7. | **What is the importance of title tag** |
| Ans | It contains the title of the HTML document. This element appears in the title bar of the web browser. You should try to keep title relatively short and to the point because some browser doesn’t support longer title more than 256 characters |
| 8. | **What is the importance of body tag** |
| Ans | The body tag contain the body of the html document which include the entire content that appear in the web browser. It can contain images, text, multimedia etc |
| 7. | **Where we can write the code of html** |
| Ans | We can write the code of html  **Editor**   1. Notepad 2. Notepad++ 3. Sublime   **IDE**  Any professional Ide like (Visual studio, vscode)   * Vs code is the most popular development environment tool it was developed by Microsoft * Vs code is free for private and commercial use |
| 8. | **How to start practical of HTML** |
|  | Step1. We need a code editor to write the code  Step2. Develop a webpage and save with html or htm extension  Step3. Run that page with support of browser |
| 9. | **What are the different type of heading** |
|  | There are 6 types of heading from h1 to h6 |
| 10. | **What is paragraph tag** |
|  | <p> is the paragraph tag it removes the extra spaces |
| 11. | **What is pre tag** |
|  | <pre>  This is first Line  This is my second line                                  yes its ok  This is my third line      </pre> |
| 12, | **What is boiler plate code** |
|  | Basic statement should be included without typing |
| 13. | **Html versions**   1. Html 1991 2. Html 2.0 1995 3. Html 3.0 1997 4. Html 4.01 1999 5. xHtml 2000 6. Html 5 2014 to till date |
| 14. | What is <!DOCTYPE html> |
|  | The DOCTYPE declaration is an instruction to the web browser about what version of HTML the page is written in  <!DOCTYPE html> means we are using html 5 so all the tag which is compatible |
| 15. | **Formatting the text** |
|  | 1. <b> Bold Text </b> 2. <strong> Some important text</strong> but in html 5 strong are used 3. <i> Italic Text </i> 4. <em> Emphasized Text </em> 5. <mark> Marked Text </mark> 6. <small> Small text </small> 7. <del> ~~Deleted Text~~ </del> 8. <ins> Inserted Text </ins> 9. <sub></sub> 10. <sup></sup>   **<p contenteditable = true>**  **</p>** |
| 16. | **Special character in html** |
|  | There are some ASCII character which doesnot support directly by some browsers   1. > for > sign we &lt 2. < for < sign we &gt 3. & for & sign we &amp 4. &copy copyright 5. &reg registered sign 6. &#128512; |
| **17.** | **What is favicon ?** |
|  | **F**avicon is the small icon display in the title bar according to the website in most of the standard website this small icon always display like facebook, youtube, gmail  <head>  <link rel="icon" href="favicon/google.jpg" type="image/jpg" size="34px">  </head>  Note: once its registered then its hardly to remove |
| **18.** | **What is marquee** |
|  | <style>          marquee          {              background-color: rgb(252, 247, 247);              width:35%          }      </style>  <marquee scrollamount="5" direction="down" height="200px">Result will be display very soon of first Unit test</marquee>  How to stop and start  <marquee onmouseover="this.stop()"onmouseout="this.start()"> |
| **19** | **What is live server and how it configure** |
|  | Most of the time it doesnot appear by default in **vs code**  so we can configure  For that internet is needed for few minutes till installation is not completed Goto 🡪 Run 🡪 Got to the option Install Additional Debuggers 🡪 Then type live server then click on launch the development  **Now what is the use of Liver Server**  Whenever you develop the web application it will automatically hosted on the live server and when you do any kind of change in your web page and after save that changes will be automatically reflected on the browser without any refresh. |
| **20.** | **What is metadata** |
|  | Data about data is called metadata meta tags are very use for SEO purpose so the website will be ranked in the google properly and user can search our website easily |
| **21** | What is comment |
|  | Comment are the non executable part of the web page it always ignore by the browser  It increase the readability of web page  How to write comment  <!--This is my first web page for practice purpose-->  Ctrl+/ is the shortcut of comment  Setting icon – goto pallet then cast option |
| **22** | Multicursor |
|  | Ctrl + alt |
|  | How to generate multiple para  P\*10 then ctrl + space emmet abbreviation |
| **23.** | Lorem10 select or lorem20 then select |
| **24** | **How linking perform in html** |
|  | One of the main important feature of html is linking of document with each other. A browser highlight the identified text of image with blue color and underline to indicate that it’s a hypertext link mean this part is linked or connected with some other part  Hyper linking is done in html by **anchor tag <a> </a>**  Text or image both can be hyper linked. A hyperlink is typically activated by clicking on a highlighted word or icon at particular location  There are 2 types of linking   1. External linking 2. Internal linking   **External Linking**  It links the two different document either in the same website pages or any other website which is running on internet (facebook, instagram, google)  <a  href="http://www.google.com" target="\_blank">Goto Google Website</a>  <a href="http://www.google.com">      <img height="50px" width="50px" src="/go0ogle.jpg" alt="Image is missing due Network problem">      </a>  **Internal Linking**  The internal linking on the other hand links the various segment or section of the same document when user will click on internal immediately control will reach to the linked section or segment  <a name= “Top”>  <a href="#Top">Goto Top</a> |
|  | **How can we embedded the video in the web page** |
|  | <video src="VideoFile.mp4" width="400" controls></video>  Controls show the play button  User can also download the video  We can set the autoplay play option also  <video src="VideoFile.mp4" width="400" controls autoplay loop></video> |
|  | Api for ramdom images  Pexel.com  <img src="https://source.unsplash.com/user/erondu/1600x900">  <https://www.codegrepper.com/code-examples/javascript/unsplash+api> |
|  | How to set the tool tip |
|  | <h1 title="This is main heading of website">This is my heading of the project</h1>      <span>This is span tag </span>      <p title="This is very important para of website">This my paragraph Tag</p>  **Note** With the help of title attribute we can set the title |