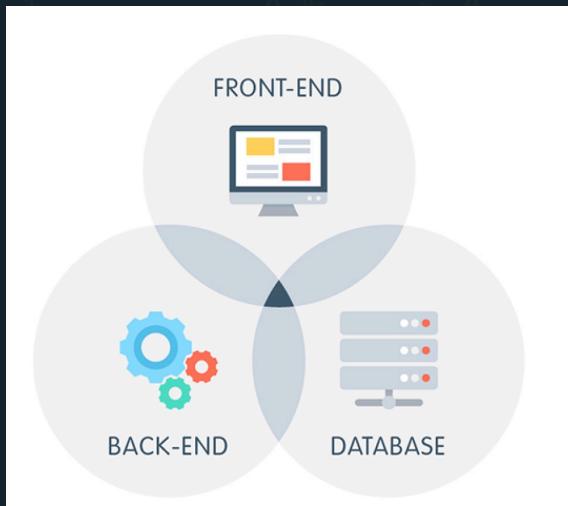


Agenda :

- Full Stack Development ✓
- 3 Tier Architecture ✓
- HTML Basic ✓
- Installation -> Extension : Live Server , Prettier, ✓
- Inspect Element ✓
- Elements , Attributes ✓
- Headings , `<h1>` to `<h6>` tags -> Hierarchy Format ✓
- Paragraph Tag ✓
- Links : `<a>` tag : ✓
 - Inter Navigation VS Intra Navigation
- `
` Break tag ✓
- `<hr>` tag - Horizontal ✓
- `<pre>` tag ✓
- List :
 - Unordered List ✓
 - Ordered List ✓
 - Description List ✓

What is Full Stack Development ?



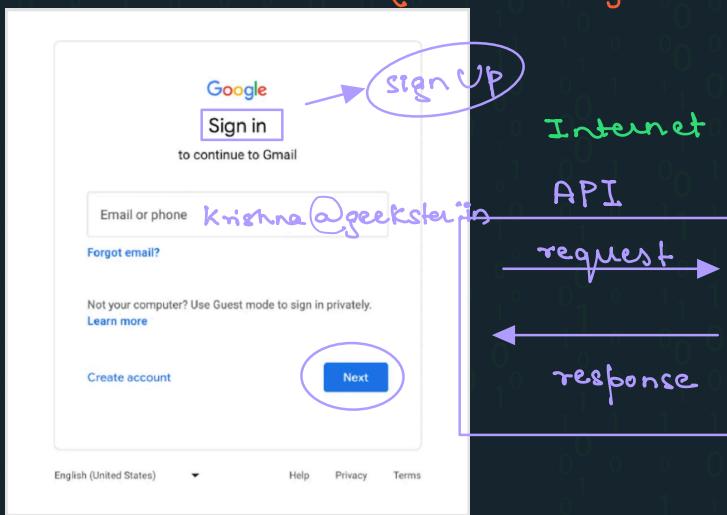
3 component :

- FrontEnd [Client Side] : User Interface.
- BackEnd [Server Side] : Behind the scene Functionality.
- Database : It stores a large amount of Information in an efficient and structured Way.

Gmail Example :



Front End { client side }



Internet

API

request →

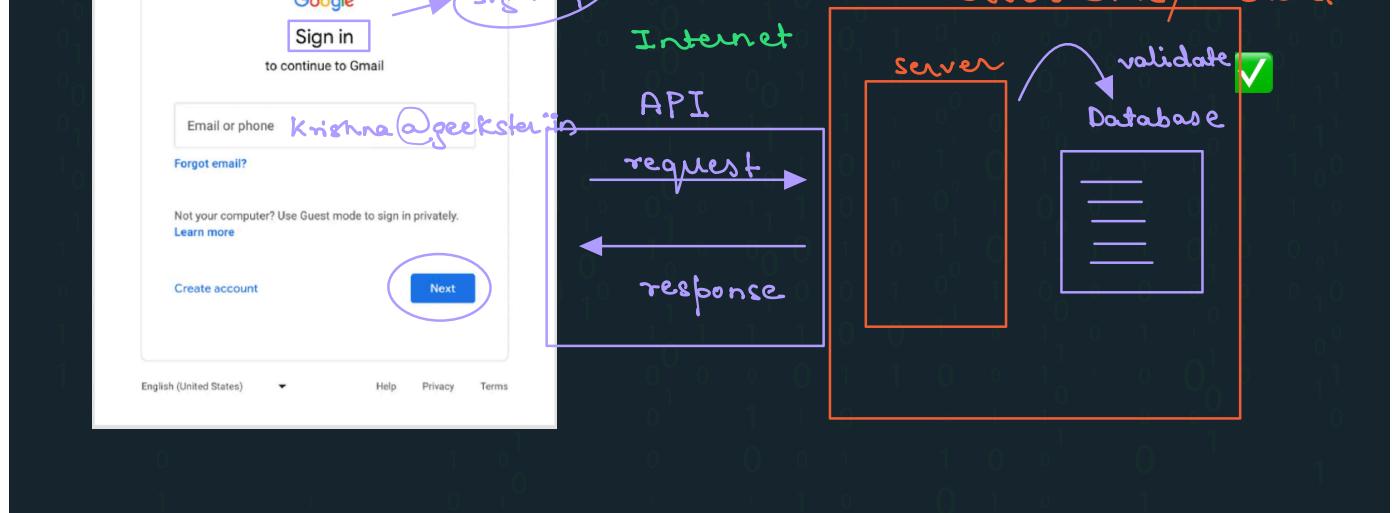
← response

Server Side / Backend

server

validate ✓

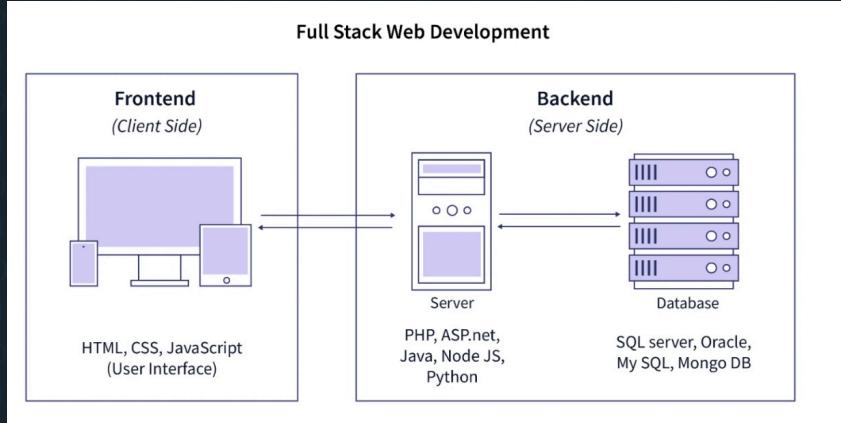
Database



Dom -> Document Object Model

JS

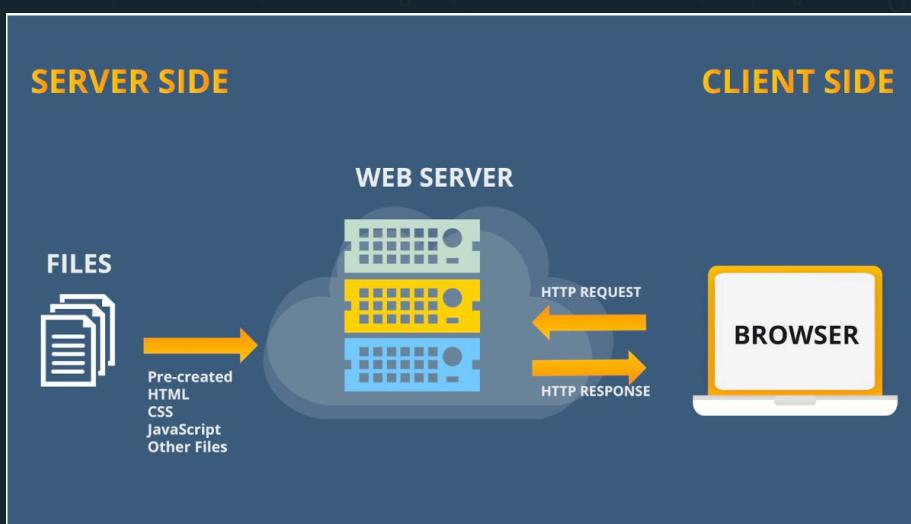
Which Interacts with html,css



WebPage Vs Website ?

WebPage -> Single page

Website -> Collection of Webpages.



What is HTML?

- Hypertext **MarkUp Language**

HyperText - Its a way of organising the text that allows the reader to easily navigate and access the related information.

MarkUp Language - Its a computer Language to add formatting or structure to text doc

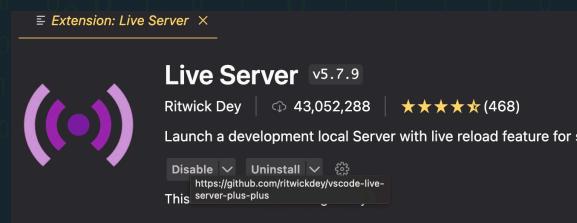
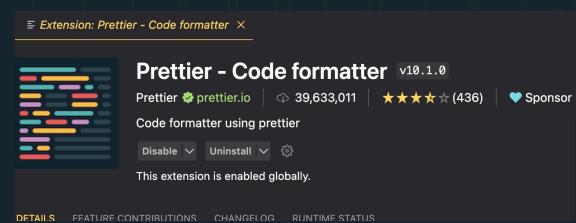
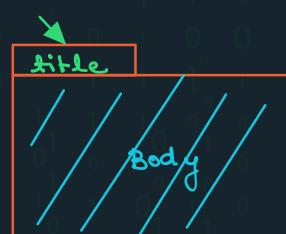
‘tags’



Installation : VsCode

html → structure

```
<!DOCTYPE html> → document HTML
<html lang="en"> → root element
<head>
  <meta charset="UTF-8">
  <meta name="viewport" content="width=device-width, initial-scale=1.0">
  <title>Document</title> → link [css], & style
</head>
<body>
</body>
</html>
```



How to add a Heading to our WebPage ?

`<h1>` tag to `<h6>` tag.

$1\text{em} \approx 16\text{px}$

Hi EveryOne!

Hi EveryOne!

Hi EveryOne!

Hi EveryOne!

Hi EveryOne!

Hi EveryOne!

Absolute
Relative
`units`

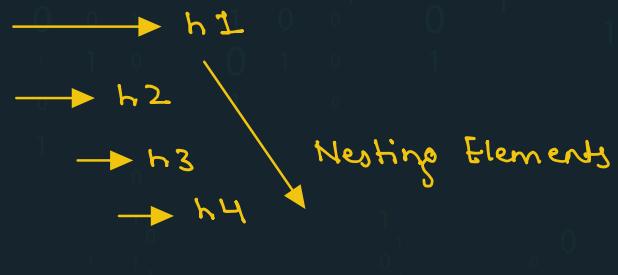
```
<h1>Hi EveryOne!</h1>
<h2>Hi EveryOne!</h2>
<h3>Hi EveryOne!</h3>
<h4>Hi EveryOne!</h4>
<h5>Hi EveryOne!</h5>
<h6>Hi EveryOne!</h6>
```

`h1` -> Most Important Heading

`h2` -> 2nd Most Important Heading

`h3` -> 3rd most important sub-heading

`h4` -> sub-sub heading.



How we can add a Paragraph to my webpage?

`<p>` tag.

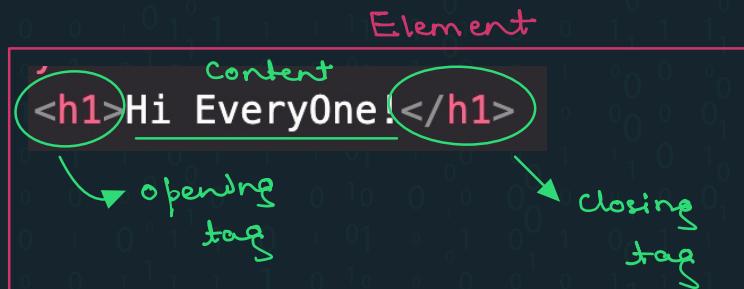
```
<p>Lorem ipsum dolor sit amet consectetur adipisicing elit. Ea atque sequi aperiam earum illum autem possimus soluta ipsam? Soluta nobis quas quis quod ut, sint odio delectus facilis error veritatis?</p>
```

```
<p>Lorem, ipsum dolor sit amet consectetur adipisicing elit. Dicta placeat aliquid labore iste eum nesciunt est dolorum voluptatibus ipsam magnam omnis ullam repellendus cupiditate tempore repellat autem perferendis ducimus error, officiis voluptates animi porro architecto corrupti impedit? Aliquid voluptatibus voluptatem quos, dolore blanditiis ipsam pariatur molestias laboriosam eum. Dolor, corrupti? Ea odit consequatur fuga praesentium, obcaecati eligendi delectus sint ullam numquam veniam aliquam distinctio sapiente cumque magnam ipsam esse ipsum expedita impedit quas. Natus quae saepe, voluptatibus iste blanditiis incident laboriosam, facere voluptatem ullam inventore molestiae sint adipisci, quia minus. Ex vero ipsa, qui id nostrum beatae in. Est, impedit.</p>
```

`>div>`

Element Vs Attribute .

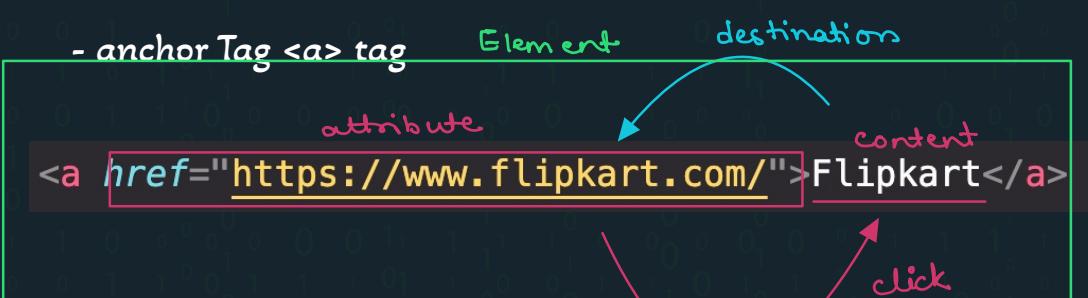
-o **Element** : It includes opening tag , Closing tag , Attributes , Content.



Attribute :

- Feature or a functionality that I want to add in my element.

How we can add a link to our webpage ?



Note : Attribute is always be adding

in my opening tag

`Flipkart`

`WikiPedia`

Break
 Tag. -> Self Closing Tag

-> It moves the content to the next Line.

Problem -> If i add an extra space in <p> tag -> It filter out the space and then rendered my output.

Solution : Br Tag

```
<p>Lorem, ipsum dolor sit amet <br>
<br>
consectetur adipisicing elit. <br>
<br>
<br>
Dicta placeat aliquid labore <br>
<br>
```

```
 Lorem ipsum dolor sit amet consectetur adipisicing elit. Ea atque sequi aperiam
Lorem, ipsum dolor sit amet
consectetur adipisicing elit.

Dicta placeat aliquid labore
iste cum neccius est dolorum voluptatibus incam magnam omnis ullam repellat
```

Pre Tag ->  Markdown → Code block

Pre-formatted tags -> Actually brings my content same way as I present in the VsCode IDE.

```
<pre>
    Hum tere bin ab reh nahi sakte
    Tere bina kya wajood mera x (2)

    Tujh se juda gar ho jaayenge
    To khud se hi ho jaayenge juda

    Kyun ki Tum hi ho, ab tum hi ho
    Ki zindagi ab tum hi ho
    Chain bhi, mera dard bhi
    Meri aashiqui ab tum hi ho

    Tera mera rishta hai kaisa
    Ek pal door gawara nahi
    Tere liye har roz hain jeete
    Tujhko diya mera waqt sabhi
```

```
Hum tere bin ab reh nahi sakte
Tere bina kya wajood mera x (2)

Tujh se juda gar ho jaayenge
To khud se hi ho jaayenge juda

Kyun ki Tum hi ho, ab tum hi ho
Ki zindagi ab tum hi ho
Chain bhi, mera dard bhi
Meri aashiqui ab tum hi ho

Tera mera rishta hai kaisa
Ek pal door gawara nahi
Tere liye har roz hain jeete
Tujhko diya mera waqt sabhi

Koi lamha mera na ho tere bina
Har saans pe naam tera

Kyun ki tum hi ho, ab tum hi ho
Zindagi ab tum hi ho
Chain bhi, mera dard bhi
Meri aashiqui ab tum hi ho

Tum hi ho, tumhi ho

Tere liye hi jiyyaa main
Khud ko jo yoon de diya hai
Teri wafaa ne mujhko sambhalta
```

To add a horizontal Line :

<hr> tag : self closing tag.

<hr>

LOREM IPSUM DOLOR SIT AMET CONSECTETUR ADIPISCING ELIT. EA ATQUE SEQUI APERIAM EARUM ILLUM AUTEM POSSIMUS SOLUTA IPSAM?

Link :

- Unordered List
 - Ordered List
 - Descriptive List

Unordered List

Nesting Element

Skills

List Items

- Java
 - JavaScript
 - Testing
 - API Designing
 - System Design

```
<ul style="list-style: georgian;">  
    <li>Java</li>  
    <li>JavaScript</li>  
    <li>Testing</li>  
    <li>API Design</li>  
    <li>System Design</li>  
</ul>
```

- Ⓐ. Java
- Ⓑ. JavaScript
- Ⓒ. Testing
- Ⓓ. API Design
- Ⓔ. System Design

Ordered List :

1. Java
2. JavaScript
3. Testing
4. API Design
5. System Design

```
<ol>
  <li>Java</li>
  <li>JavaScript</li>
  <li>Testing</li>
  <li>API Design</li>
  <li>System Design</li>
</ol>
```

5. Java
4. JavaScript
3. Testing
2. API Design
1. System Design

```
<ol start="5" reversed>
  <li>Java</li>
  <li>JavaScript</li>
  <li>Testing</li>
  <li>API Design</li>
  <li>System Design</li>
</ol>
```

- v. Java
- iv. JavaScript
- iii. Testing
- ii. API Design
- i. System Design

Description List `<dl> </dl>`

Term :

Describe the above term

Example :

HTML `<dt> </dt>`

`<dd> </dd>`

HyperText Markup Language that helps to create a structure to the webpage

CSS

Cascading Style sheet. It adds layout to your webpage.

HTML

HyperText MarkUp Language that add struture to your webpage

CSS

Cascading Stylesheet, helps to add layout to your webpage, Making it more appealing.

JavaScript

It helps to a behaviour to our webpage. We can do alot more things with the help of JS.

```
<dl>
  <dt>HTML</dt>
  <dd>HyperText MarkUp Language that add struture to your webpage</dd>
  <dt>CSS</dt>
  <dd>Cascading Stylesheet, helps to add layout to your webpage, Making it more
  appealing.</dd>
  <dt>JavaScript</dt>
  <dd>It helps to a behaviour to our webpage. We can do alot more things with the help
  of JS.</dd>
</dl>
```