AWEBP

Web Programming

MODULE TOPICS

HTML

jQuery

Callback

JSON

ExpressJS

Debugging

CSS

Bootstrap

GET/POST

Javascript

Angular

VSCODE

DOCUMENT

HTTP

REST

NodeJS

Chrome Devtools

NPM

DOM

AJAX

XML

TypeScript

PHP
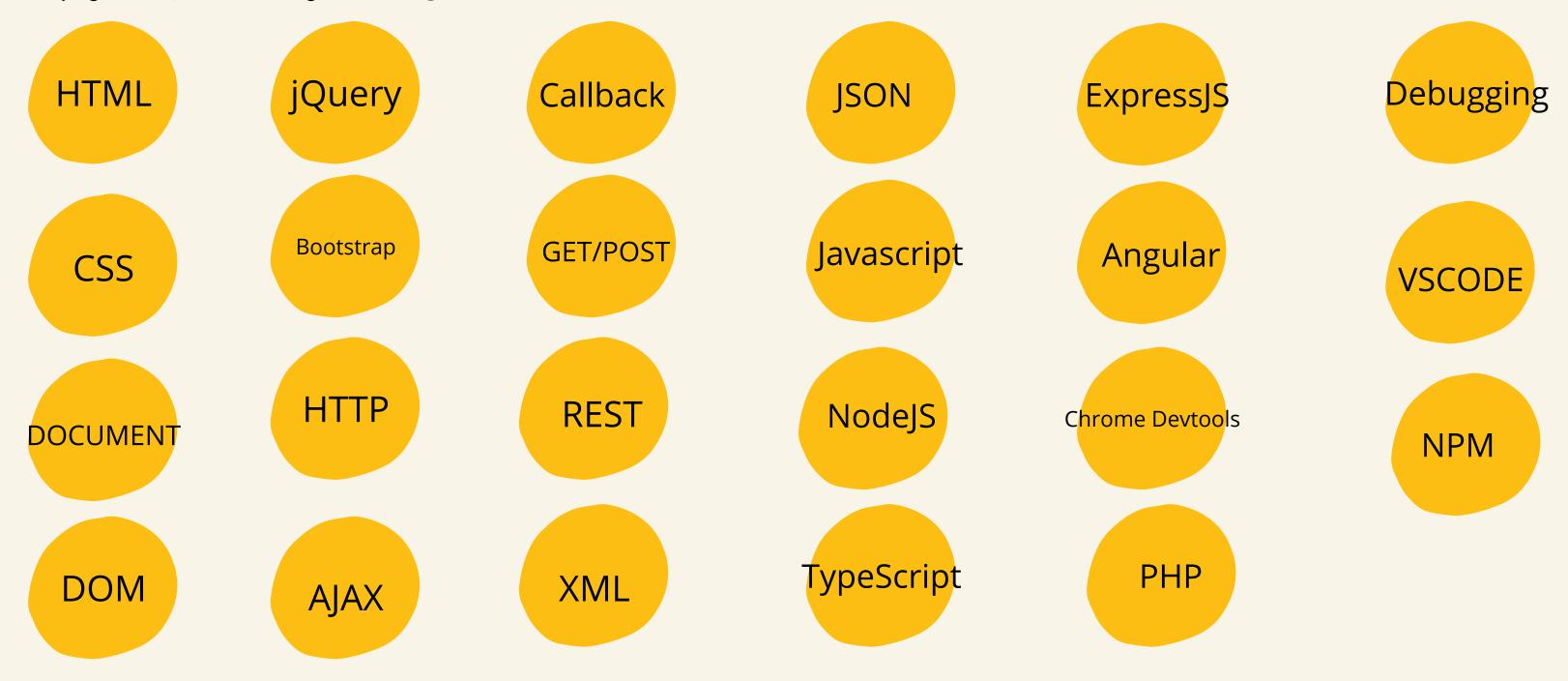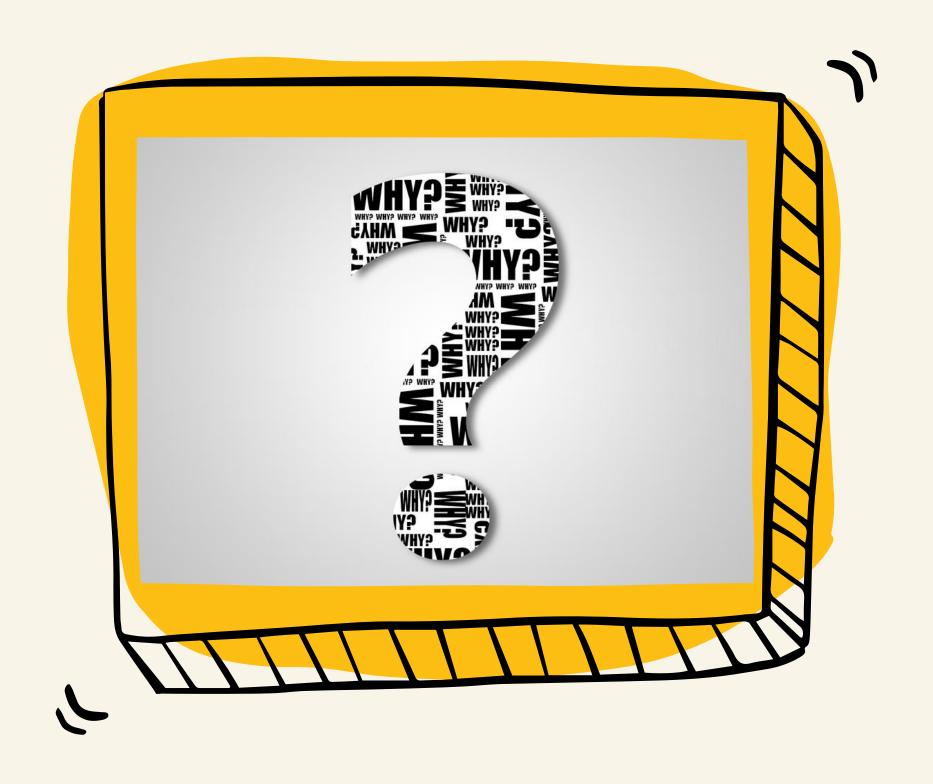
WHY

- Job Trends
- Tech Stack Trends
- Easy to learn and anyone can learn
- Simple and easy to make a Website to Complex Web Application
- Also used in to develop Cross Platform Mobile Applications.
- https://redmonk.com/sogrady/2020/07/27/language-rankings-6-20/

VSCODE

Developement Editor

DEV EDITOR

Vscode: Project Setup

Create a project
Open an existing project
Close the project

Vscode Extensions

1. Live Server
2. Debugger for Chrome
3. gitignore
4. Prettier
5. ESLint

Editor Overview

1. Top/Bottom/Left Panel
2. Shortcuts
   a. Ctrl + P
   b. Ctrl + shift + P
3. Color Theme

HTML

Hyper Text Markup Language

HTML

Markup Language

- HTML Markup
- HTML Element
- HTML Tags
- HTML Objects
- **Special Note : Stacks**

Syntax

1. Root Element
2. Each elements should be closed properly
3. Elements have set of attributes

BLOCKING & NONBLOCKING ELEMENTS

Blocking Elements

- These HTML elements takes the entire width of the page
- Most of the HTML Elements are blocking elements

Non Blocking Elements

- These HTML Elements are also called INLINE elements, and it occupies only required space.
- Example : SPAN

TYPOGRAPHY

Headings

- H1
- H2
- H3
- H4
- H5
- H6

Paragraphs

- Paragraph <p>

List

- UL
- OL
- LI

TABLES

Schema Element

- <table>
- <thead>
- <th>

Body Elements

- <tbody>
- <tr>
- <td>

FORMS

Form Elements

- <form >
- <input type="text" />
- <input type="password" />
- <input type="radio" />
- <input type="checkbox" />
- <textarea />
- <button />

LINKING ELEMENTS

Anchor and Button

- <a>
- <button>
- <input type="button />

MEDIA ELEMENTS

Image

- <img src="">

Video & Audio

- <video width="" height="">
- <source>

ENTITIES

Html Entities

- entity name
- entity number &
- emojis 😀

CSS

Cascading Style Sheet

USAGE

- **Element Styling**
- **Page Layout Design**

SYNTAX

Css Syntax

```
p {
 color : tomato;
}
```

CSS LINKING

- Inline Styleing
- Internal Styleing
- External Styleing

CSS RULE/SELECTOR

- **Element Selector**
- **ID Selector**
- **CLASS Selector**
-

- **Combinators**
- **Pseudo Class Selector**
- **Pseudo Element Selector**

CSS PROPERTY

- color
- background
- height
- width

- border
- margin
- padding

CSS PROPERTY

Text Property

- color
- background
- text-align
- text-decoration
- text-transform
- text-shadow

Font Property

- font-size
- font-family
- font-weight
- font-style

CSS PROPERTY

Position Property

- static
- relative
- fixed
- absolute
- sticky

Overflow Property

- overflow
- overflow-x
- overflow-y

CSS PROPERTY

Position Property

- static
- relative
- fixed
- absolute
- sticky

Overflow Property

- overflow
- overflow-x
- overflow-y

CSS PROPERTY

Combinator Property

- descendant (space)
- child (>)
- adjacent sibling (+)
- general sibling (~)

Pseudo Class

- :hover
- :active
- :visited
- :first-child

Pseudo Element

- ::first-line
- ::first-letter

CSS UNITS

Absolute

- px
- cm
- mm
- in

Relative

- em
- rem
- vw
- vh
- %

CSS PROPERTY

Background Property
- background-image
- background-repeat

Color
- Hex Value
- rgba
- HSL

Gradient
- linear-gradient
- radial-gradient

CSS PROPERTY

Box Sizing Property

- box-sizing: border-box

Object Fit

- object-fit: cover;

Transition

- transition: all 2s linear;

CSS FLEX BOX

Flex Box

- display
- flex-direction
- flex-wrap
- justify-content
- align-items