

## Topics:

### 1. Remaining Array Methods:

#### forEach:

Performs the specified action for each element in an array.  
returns undefined

#### map:

returns a new array using the existing Array from callbackfn return value

#### filter:

Returns the elements of an array that meet the condition specified in a callback function

#### reduce:

Calls the specified callback function for all the elements in an array. The return value of the callback function is the accumulated result, and is provided as an argument in the next call to the callback function.

### 2. JSON - files format to representing data similar to JS Object

JSON.parse - JSON String to JS Objects,  
will throw error for non json strings

JSON.stringify - JS Objects to JSON string

### 3. HTML:

HTML - Hyper Text Markup Language

Prefined Tags with default markup behavior with default CSS styles sometimes based on the browser

Simple HTML DOM Structure:

<!DOCTYPE html> - specifying to use a version of the HTML ( Mostly latest version )

html tag: lang attribute for specifying the language  
parent tag for all the tags ( initial containing block )

head: ( information, assets about the webpage which is \*\* not directly \*\* displayed to the User )

title

link: ( external assets / files )

icon

self-closing

<link ...attributes />

href, rel

script

src

style

meta: ( extra information to the internet & sometime for the browser )

name: ( common meta name )

SEO - search engine optimization

keywords

description

viewport:

handle the width of the browser

content:

content with related to the name attributes above

body: ( all the contents which is intended to be displayed to the User )

div

span

img:

self -closing tags

<img />

<br /> --> go to next line

a - anchor

p - paragraph

h - heading

mark - highlighting

button: Click Event trigger

br - break line

input: input from User

list tags:

- ul ( un-ordered list ), ol ( ordered-list ), li (list item)
- list-style-type

semantic tags:

they have a special meaning to inform the browser

h1...h6, section, article, aside, nav, footer, header,

Improves the accessibility & SEO ( search engine optimization ) indexing

inline vs block elements

inline --> an element which occupies only the width needed for it

block --> an element which occupies the entire parent's width

Tell Me what are block and inline elements,

Block:

div, h1, h2, h3, h4, h5, h6, p, ol, ul

Inline:

span, a, img, mark

table:

table is used for representing data in a tabular form

thead,

tbody,

th( column header ),

tr ( table row ),

td ( table data )

colspan

rowspan

forms:

type:

text

date

checkbox

radio

color

week

password

...etc, please refer the below link for more details

<https://developer.mozilla.org/en-US/docs/Web/HTML/Element/input>

input grouping

submitting behavior

Task:

Go through practice all the tags & semantic tags, forms( use all the input types), tables

Next Session:

JSON Iteration:

```
Object.values(obj); // array of values of obj  
Object.keys(obj); // array keys of obj  
for...in
```