Front end technology (FET)  
HTML5 + CSS3  
javascript  
sass  
rwd  
bootstrap  
angular/react

1. training  
2. workshop  
3. test  
4. mini project  
5. major project

.htm  
.html --> recommended

live server --> useful to deploy html page and start server, hot reloading(whenever we make changes, it will automatically refresh page)

http://127.0.0.1:5500/index.html

--> html is tag based language  
--> collection of html tags (elements)  
--> as developer --> html page(web page)  
--> styling --> css  
--> programming --> javascript  
--> execute --> browser(chrome, mozilla, IE, edge)  
--> html --> html parser -->

sementic elements --> table, title  
non semantic elements --> div, p, span, a,

element --> dom

character set   
--> it is about handling character from different languages  
--> ASCII  
--> unicode --> all languages in the world (english, hindi, marathi, german, japanese)  
--> utf-8 -->  all languages in the world (english, hindi, marathi, german, japanese)

[11:09 AM] Dadaram Manohar Jadhav (Guest)

<!DOCTYPEhtml>

<html>

<head>

<title>Day 2 html training...</title>

</head>

<body>

<h1>Welcome to day2 </h1>

<buttononclick="fun1()">set cookie</button>

<buttononclick="fun2()">get cookie</button>

<!-- to get right output, add javascript at the end of page -->

<scriptsrc="script.js"></script>

</body>

</html>

function fun2(){

localStorage.setItem('address','gnr')

localStorage.setItem('address','pune') //recent value is taken

}

This is js code the key should be unique so no error just value of the key is updated

//session storage

function fun1(){

    sessionStorage.setItem('myname', 'dadaram jadhav')

}

//local storage

function fun2(){

    //key part should be unique

    localStorage.setItem('address', 'katraj, pune')

    localStorage.setItem('address', 'katraj, pune-46')

    localStorage.setItem('address', 'katraj, pune-47')

    localStorage.setItem('address', 'katraj, pune-48')

    localStorage.setItem('address', 'katraj, pune-49')

    localStorage.setItem('address', 'katraj, pune-50')

    console.log('address is : '+ localStorage.getItem('address'))

}

//indexDB

function fun1() {

    var db

    var req = window.indexedDB.open('product')

    req.onsuccess = function (evt) {

        console.log('opened database successfully')

        db = req.result

    }

    var emp = [

        { id: 101, name: "dmjadhav", address: "pune" },

        { id: 102, name: "dmjadhav1", address: "pune1" }

    ]

    req.onupgradeneeded = (evt) => {

        var db = event.target.result;

        var objectStore = db.createObjectStore("product", { keyPath: "id" });

        for (var i in emp) {

            objectStore.add(emp[i]);

        }

    }

}

//canvas

function fun1() {

    //get canvas from html

   let cv = document.querySelector('#can')

   //create context for drawing pictures

   let ct = cv.getContext('2d')

   //start drawing

   ct.beginPath();

   //set fill color

   ct.fillStyle = 'green';

   //create reactangle...

   //x position, y position, width, height

   ct.fillRect(10, 10, 200, 300)

}

[12:11 PM] Dadaram Manohar Jadhav (Guest)

<!DOCTYPEhtml>

<html>

<head>

<title>Day 2 html training...</title>

</head>

<body>

<h1>Welcome to day2 </h1>

<canvasid="can"width="500"height="500"

style="border: 2px solid red;"

>

</canvas>

<buttononclick="fun1()">create reactangle</button>

<!-- to get right output, add javascript at the end of page -->

<scriptsrc="script.js"></script>

</body>

</html>

Link of html linter

<https://www.freeformatter.com/html-validator.html>

css selectors

/\* all p under header \*/

headerp {

color: blue;

}

​

/\* all child of header \*/

header > p {

color: blue;

}

[4:52 PM] Dadaram Manohar Jadhav (Guest)

.product-container{

display: flex;

flex-wrap: wrap;

justify-content: flex-end;

}

.product{

height: 250px;

width: 250px;

border: 1pxsolidgrey;

margin: 20px;

text-align: center;

}

​

[4:53 PM] Dadaram Manohar Jadhav (Guest)

<!DOCTYPEhtml>

<html>

<head>

<title>CSS 3 session I</title>

</head>

<body>

<divclass="product-container">

<divclass="product">

<imgsrc="logo.jpeg"alt="">

<h1>Computer</h1>

<p>price: Rs.35000</p>

<button>add to cart</button>

</div>

<divclass="product">

<imgsrc="logo.jpeg"alt="">

<h1>Computer</h1>

<p>price: Rs.35000</p>

<button>add to cart</button>

</div>

<divclass="product">

<imgsrc="logo.jpeg"alt="">

<h1>Computer</h1>

<p>price: Rs.35000</p>

<button>add to cart</button>

</div>

<divclass="product">

<imgsrc="logo.jpeg"alt="">

<h1>Computer</h1>

<p>price: Rs.35000</p>

<button>add to cart</button>

</div>

<divclass="product">

<imgsrc="logo.jpeg"alt="">

<h1>Computer</h1>

<p>price: Rs.35000</p>

<button>add to cart</button>

</div>

<divclass="product">

<imgsrc="logo.jpeg"alt="">

<h1>Computer</h1>

<p>price: Rs.35000</p>

<button>add to cart</button>

</div>

<divclass="product">

<imgsrc="logo.jpeg"alt="">

<h1>Computer</h1>

<p>price: Rs.35000</p>

<button>add to cart</button>

</div>

<divclass="product">

<imgsrc="logo.jpeg"alt="">

<h1>Computer</h1>

<p>price: Rs.35000</p>

<button>add to cart</button>

</div>

</div>

<linkrel="stylesheet"href="styles.css">

</body>

</html>

[4:43 PM] Dadaram Manohar Jadhav (Guest)

.footer{

background-color: grey;

color: red;

width: 100%;

position: fixed;

/\* right, left, top, bottom \*/

top: 100px;

}

.menu{

position: fixed;

top: 0;

right: 0;

margin-top: 10px;

margin-right: 10px;

}

​

[4:43 PM] Dadaram Manohar Jadhav (Guest)

<!DOCTYPEhtml>

<html>

<head>

<title>CSS 3 session I</title>

</head>

<body>

<imgsrc="logo.jpeg"alt="">

<ahref="home.html">home page</a>

<div>this is div</div>

<divclass="footer">this is footer</div>

<imgsrc="menu.jpeg"class="menu"alt="">

<linkrel="stylesheet"href="styles.css">

</body>

</html>

[4:31 PM] Dadaram Manohar Jadhav (Guest)

.d1{

border: 2pxsolidred;

/\* top right bottom left \*/

margin: 10px;

/\* top right bottom left \*/

padding: 15px;

width: 500px;

height: 100px;

}

.d2{

/\* size of element will fix to given height and width \*/

box-sizing: border-box;

border: 2pxsolidred;

/\* top right bottom left \*/

margin: 10px;

/\* top right bottom left \*/

padding: 15px;

width: 500px;

height: 100px;

}

​

[4:31 PM] Dadaram Manohar Jadhav (Guest)

<!DOCTYPEhtml>

<html>

<head>

<title>CSS 3 session I</title>

</head>

<body>

<divclass="d1">

        this is div element

</div>

<divclass="d2">

        this is div element

</div>

<linkrel="stylesheet"href="styles.css">

</body>

</html>

30/09/2020

<!DOCTYPE html>

<html lang="en">

<head>

   <meta charset="UTF-8">

   <meta name="viewport" content="width=device-width, initial-scale=1.0">

   <title>Document</title>

   <script>

       function fun1() {

            localStorage.setItem('nm', 'dmjadhav')

            const item = {

                value: 'nm',

                expiry: new Date().getTime() + 5000,

            }

            localStorage.setItem(key, JSON.stringify(item))

        }

    </script>

</head>

<body>

    <button onclick="fun1()">set expiry time</button>

</body>

</html>

<!DOCTYPE html>

<html lang="en">

<head>

   <meta charset="UTF-8">

   <meta name="viewport" content="width=device-width, initial-scale=1.0">

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   <script>

       function fun1() {

            localStorage.setItem('nm', 'dmjadhav')

            const item = {

                value: 'nm',

                expiry: new Date().getTime() + 5000,

            }

            localStorage.setItem(key, JSON.stringify(item))

        }

    </script>

</head>

<body>

    <button onclick="fun1()">set expiry time</button>

</body>

</html>

<!DOCTYPE html>

<html lang="en">

<head>

    <meta charset="UTF-8">

    <meta name="viewport" content="width=device-width, initial-scale=1.0">

    <title>Document</title>

    <!-- script will be executed only after loading page -->

    <script defer src="script.js">       </script>

</head>

<body>

    <h1>welcome to javascript training...</h1>

</body>

</html>

<!DOCTYPE html>

<html lang="en">

<head>

    <meta charset="UTF-8">

    <meta name="viewport" content="width=device-width, initial-scale=1.0">

    <title>Document</title>

    <!-- script will be executed only after loading page -->

    <script defer src="script.js">       </script>

</head>

<body>

    <h1>welcome to javascript training...</h1>

    <button onclick="fun3()">click</button>

</body>

</html>

//definition + declaration

function fun1(a,b){

    console.log('this is just a function...' + (a+b))

}

//calling

fun1(10, 20)

//create function using arrow operator  =>

//1. simple syntax

//2. it will solve binding of this keyword

var fun2 = (x , y)=>{

    console.log('this is arrow function' + (x+y))

}

fun2(40,50)

function fun3(){

    console.log('this is function 3')

}

<!DOCTYPE html>

<html lang="en">

<head>

    <meta charset="UTF-8">

    <meta name="viewport" content="width=device-width, initial-scale=1.0">

    <title>Document</title>

    <!-- script will be executed only after loading page -->

    <script defer src="script.js">       </script>

</head>

<body>

    <h1>welcome to javascript training...</h1>

    <!-- event will be triggered by button (by hovering mouse) -->

    <button onmouseover="fun3()">click</button>

</body>

</html>

///this function will handle event

function fun3(){

    // console.log('this is function 3')

    // window.alert('hi')

    // alert('hi')

    // var ans = confirm('Do you want to continue? ')

    // console.log(ans)

    // document.write('this is document.write..... it will remove dom')

    document.querySelector('#mypara').innerHTML = 'mouse over done...'

}

<!DOCTYPE html>

<html lang="en">

<head>

    <meta charset="UTF-8">

    <meta name="viewport" content="width=device-width, initial-scale=1.0">

    <title>Document</title>

    <!-- script will be executed only after loading page -->

    <script defer src="script.js">       </script>

</head>

<body>

    <h1>welcome to javascript training...</h1>

    <p id="mypara"></p>

    <!-- event will be triggered by button (by hovering mouse) -->

    <button onmouseover="fun3()">click</button>

</body>

</html>

<!DOCTYPE html>

<html lang="en">

<head>

    <meta charset="UTF-8">

    <meta name="viewport" content="width=device-width, initial-scale=1.0">

    <title>Document</title>

    <!-- script will be executed only after loading page -->

    <script defer src="script.js">       </script>

</head>

<body>

    <button onclick="fun1()">click</button>

    <button onclick="fun2()">click</button>

</body>

</html>

var address = 'katraj, pune'

function fun1(){

    var nm = 'dadaram jadhav'       //string

    console.log(typeof nm)

    var mobile = 90111          //number (64 bit)

    console.log(typeof mobile)

    var per = 65.65             //number (64 bit)

    console.log(typeof per)

    var isWorking = true        //boolean

    console.log(typeof isWorking)

    var isWorking = 'yes working'   //string

    console.log(typeof isWorking)

    /////////////////////

    //if don't add var keyword then variable will be automatically global

    address = 'pune'

    console.log('address is : '+ address)

}

function fun2(){

    // console.log('name is : '+ nm)

    console.log('address is : '+ address)

}

function fun1(){

    var score = [54, 23, 365, 34, 234, 123, 9875, 234]

    console.log(score)

    // simple loop

    // for...in --> used to retrieve object

    // for.... of loop

    for(var i of score){

        console.log(i)

    }

    console.log('value greater than 300')

    var greater300 = score.filter((x)=> x > 300)

    console.log(score)

    console.log(greater300)

    //sorting

    console.log('sorting...')

    score.sort((x,y)=> y-x )         //x-y==> positive , negative , 0

    console.log(score)

    var sq = score.map((n)=> n\*n)

    console.log('square of array')

    console.log(sq)

    console.log('printing')

    score.forEach((p)=>{

        console.log(p)

    })

}

<!DOCTYPE html>

<html lang="en">

<head>

    <meta charset="UTF-8">

    <meta name="viewport" content="width=device-width, initial-scale=1.0">

    <title>Document</title>

    <!-- script will be executed only after loading page -->

    <script defer src="script.js">       </script>

</head>

<body>

    <button onclick="fun1()">click</button>

    <button onclick="fun2()">click</button>

</body>

</html>