**Day 3: 30-06-2025**

DOM Operation : document object provided lot of pre defined function which help to read, write and update html or dom contents dynamically.

DOM parser : Lot of programming language like Java, Python, C#, JS provided lot of pre defined function which help to read, write and update html or dom contents dynamically.

**index.html**

Html root tag

Head body

Meta div

Title p

Style p contents

Script div

**document.getXXX**

create simple online calculator app

1st Number TextField 100 500

2nd Number TextFiled 300 200

Result TextFiled 400 300

Add Sub

External JS File : we can do re-usability of same JS code in more than one web page.

DOM Operation to create new tags dynamically and adding the content to those tags.

**JavaScript ES6 features**

1. From ES6 onward we can declare the variable using let and const keyword.

Using var we can re-declare same value once again. But using let can’t

var a=10; // declaration with initialization

a=20; // re-assign the value

var a=30; // re-declare same variable once again with same or different value.

let b=10;

b=20;

let b=30; Error

var is use to declare function scope or global scope. Using let we can use block scope.

for(var i=0;i<10000;i++) {

}

document.write(“i value is “+i);

for(let j=0;j<10000;j++) {

}

document.write(“j value is “+j); error

const k=1000;

k=2000; error equal to final in java

JavaScript hosting : Normal function support JS hosting. But Expression style doesn’t support.

1. Normal style function ES5
2. Express style function ES5
3. Arrow style function : arrow style function is use to write shortest form of the function or arrow function is a more concise way to write the function in ES6 JavaScript using => ES6