**Day 2: 27-06-2025**

JavaScript was object based or prototype or function base interpreter scripting language before ES5 version.

From ES6 onward JavaScript also known as object oriented interpreter scripting language.

ECMA : European computer manufacture association. ES is a concept.

JS is one of the implementation of ES.

Mainly JS use to do validation on client machine.

With help of JS we can do dynamic task on client machine

<http://www.gmail.com> ---🡪

req(http/https)---🡪

Client Server

🡨---Res(http/https)

JavaScript Syntax

<script type=”text/JavaScript”> opening tag

document.write(“Welcome to JS”);

</script> closing tag

This tag we can write in between head or body tags. In one html we can write more than one Script tag. document is a pre defined object and write is pre defined function. Which is use to display message through JS on browser. In JS it is not mandatory every statement end with semi colon.

Data types : data type is as type of data which tells what type of value it can hold.

To declare the variable in JS before ES6 we were using var keyword. from ES6 onward we are using let and const keyword.

var a; by default value undefined.

var n=10; number type consider

var m=10.10 number type consider

var result = true; Boolean type

var fname = “Ravi Kumar”; string type consider

var obj = new Date(); object type consider

document.write(a);

**operator**

arithmetic operator : +, -, \*, /, %

conditional operator : >, >=, <, <=, ==, !=

assignment operator : =

equality operator : ===

increment and decrement operator : ++, --

**conditional statement**

1. If statement
2. If else
3. If else if
4. Switch statement

**Looping**

While loop

Do while loop

For loop