

Distributed application, 2-tier, 3-tier, n-tier application, web application , IP and portnumber , Server process, Client process .HTML, MIME type , Protocol

JAVASCRIPT =
Client Side JS
Server Side JS

Javascript is a scripting language = It is interpreted by JS interpreter
We get the interpreter

1. Embedded in the Browser
2. node command acts as an interpreter of the JS

-Open command propmt of WINDOWS

-type a command >>>> node -v

If you see the version then node is already present

If you see not a recognized command error then

Install node from <https://nodejs.org/en>

After installing reopen the CMD and check >>> node -v

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Ex1 --- write hello world .

Open Terminal in VSCode , cd to the folder where you have saved the js file

Run the command ---- node ex1.js

Declare variables in Javascript ----

var
let
const

We don't specify the data type while declaration .

Data type is INFERRED in JS

The common datatypes used in JS are

----- number , string , boolean , object , undefined

Older JS ECMA specifications have var

Newer JS ECMA specs have added let and const

JavaScript has a Variable **Hoisting**
difference between var and let

var	let
Due to hoisting it is ok to use the variable before declaring	If the variable is used before declaring then the program crashes with exception

If else , switch case , while, do while and for are identical to C and Java syntax

Google Drive Link -

<https://drive.google.com/drive/folders/1oqAz31NzzUIWUsUAEw5TiDIUvAiaaVbQ>

HTML ---

Two ways to (navigate) **move control from current page to another page**

<a>	anchor tag	Used to show a link to another page
<form>	Form tag	It is used to SUBMIT the data of the form controls

<file:///E:/Courses/HTML/CSS/CSS/WPT-May23/formex.html?uname=weqwe&age=33333> }} URL with **QUERY PARAMETERS**

Query Parameter Format -----

URL ? **Form-element-name**=**form-element-value**&**form-element-name2**=**form-element-value2**

Only those form-elements are added to query parameter WHICH are within the <form> tag

Only when the button is of type "**submit**" then the query parameters are added to the URL

We can give "**action**" attribute to the form tag = when the submit button is clicked the form will NAVIGATE to the page specified by the action

URL = <imageex.html?uname=hggssg&age=12>

When no "**action**" attribute is given in the form tag then the same page is refreshed when the submit button is clicked

CSS = CASCADING STYLE SHEETS ---- Used to decorate HTML

3 types of CSS

1. INLINE CSS = CSS properties are given in the html-opening-tag
2. Internal CSS = CSS properties are given in a <style> tag

We need to give selectors

we discussed 2 selectors

Tag selectors = div, input

ID selector = #ID_OF_THE_TAG

3. External CSS = CSS properties are given outside the html

