**what is JavaScript ?**

* javascript is a client side scripting language
* javascript load on user browser
* javascript is used as a programming language.
* Javascript is developed or manage by Brendan eich and manage by Netscape.
* Javascript world most popular scripting language now.
* Javascript used to provides form validation | events | methods | function | varaiables | operators to manipulate data or manage data.
* Javascript is casesenstive language
* Ex: getElementById() , document.write()
* Javascript is used to load on body and head both section
* Javacript is used to load using <script> tag
* Javascript used as external file save with .js extention

Alert.js

Body.html

<script src=”js/alert.js” type=”text/javascript”></script>

* Javascript debug in console
* Javascript used a inbuild method to check programme in console.

Console.log();

* Javascript used some events to load javascript in browser

Types of javascript events

1. Window events
2. Keyboard events
3. Mouse events

* JavaScript used some output method to take output on your browser

Types of output method

1. alert
2. confirm
3. prompt
4. document.write()
5. document.getElementById()
6. document.getElementById().value
7. document.getElementById().innerHTML
8. document.getElementById().style
9. console.log()
10. window.print

* Javascript operator : js operator is used to perform some actions

Types of operator

1. Airthmatic operator

Ex: +, -, %,\*,/ etc.

1. comparision operator

Ex: ===, > , < , >= , <= etc.

1. assignment operator

Ex: =, ==,!= etc.

1. logical operator

Ex: && , || , ! etc.

1. sorthand operator

Ex: +=, -=, %=,\*=,/= etc.

a=10;

b=20;

a+=b;

a=a+b;

1. ternary operator

Ex: ?: etc.

1. increment/decrement operator

Ex: ++ , -- etc.

a++ post increment

a-- post decrement

++a pre increment

--a pre decrement

1. string concatenate operator

ex: +

* Javascript variable : A variable just like container where we stored an information about data i.e called variable.

Or

A variable that can be stored information about data i.e called variable.

Javascript defined any variable start with var , let , const.

let :let is not called outside of scope or outside of any functions access only inside of function.

let a=10; //number

let b=20; //number

let name=”brijesh”; // string

var : var is called outside of scope or outside of any functions access anywhere. (old way to define any variable)

var a=10; //number

var b=20; //number

var c=45.5454; //number

var d= 154542133213321n; bigInteger

const : const is not change value

const a=10;

const b=20;

const c=”brjesh”; string

const d=”5454”; string

var a=10;

let a=20;

const b=30;