**what is javascript ?**

JavaScript is a client side scripting language

Javascript is manage by ecmascript.

Javascript first time released 2005 and and updated in 2015 by ES6 or ecmascript version 6.

Javascript is used as a programming language.

Javascript is used to set behavour in your application

Html => create webpage

Css => stylesheet

Javascript => behaviour set in applications

Javascript is a case sensitive language

Eg: document.getElementById(“id”);

Javascript is called in <head> and <body>

Javascript in debug in console

Javascript is used default debugger debugger is a default method in javascript.

Javascript is called as external js

Javascript file extention .js

Javascript is used some events to perform some actions.

Type of events in javascript

a) window event

ex: onload, onunload

b) mouse event

ex: onmouseover, onmouseout, onclick, ondbclick, onchange, onblur, onsubmit etc.

c) keyboard event

onkeypreass, onkeydown, onkeyup etc.

javascript is used some output method

a) alert()

b) confirm()

c) prompt()

d) document.write()

e) console.log()

f) document.getElementById()

g) document.getElementById().value

h) document.getElementById().style

i) document.getElementById().className;

j) document.getElementById().innerHTML;

k) document.getElementById().textName;

javascript operator :

operator is used to operand some condition or airthmatical cocepts or compariions concepts.

Types of operator

a) airtmatic operator

ex: +, -, \*, /, %

b) comparision operator

ex: >, <, >=, <= , ===

c) assingmnet operator

ex: =, ==,!=

d) logical operator

ex: && , || , !

e) ternary operator

ex: ?:

f) sorthand operator

ex: +=, -=, /=,\*=, %=

g) increment/decrement operator

ex: ++, --

h) string concatenate operator

ex: +

variables in javascript

A variables is used to store an information about data i.e called vaiables.

Javascript defined three type of variables

a) let => defined inside of scope only

b) var => define or access inside or outside of scope or functions

c) const=> const is used to take variable in javascript but can’t change the value.

Rules of taking javacript variables :

a) variable can not start with reserved keyword.

b) variable is used to store imformations

c) can not start with underscore or whitespace.

d) can not defined with numbers

ex: var a=10;

var abc=203;

let a b=456; // wrong way

let a=154.6565;

let \_abc=656 // wrong way

let if=56; // wrong way

in body

<body>

    <script type="text/javascript">

        var a=20;

        var b=145.56;

        var c=a+b;

        document.write("Additions of numbers is :"+c);

    </script>

</body>