**what is javascript ?**

javascript is a clent side scripting language

javascript is a programming language

javascript most popular client side scripting language in the world

javascript is a casesesntive language

ex: document.getElementById();

javascript is not compiler based language

ex: step by step not compile

javascript is a interpreter based language

ex: step by step check or interprete a programmes

Note : convert a high level language ino low level language

Javascript is used to provides executions of programes

Javascript used to block content on broswers

Javascript is used to load loaders

Javascript is used to validate users form

Javascript called in <head> or <body> section using <script> tag

Javascript provides some events

**What is events ?**

Events is used to perform some actions there we used events.

Type of events :

1. Windows events

Onload() , onunload

1. Mouse events

Ex: onlcik, onmouseover, onmouseout

1. Keyboard events

Ex: keypress, keyup , keydown

**Javascript proides some output method**

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

javascript is used external and javascript externaj extention .js

ex: external.js

alert('i am just load flipkart click on OK')

window.location='https://www.flipkart.com';

**javascript operator :**

javascript is used as a programming language

operate some operations there we used operator

types of operator

1. airtmatic operator

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

b)assignment operator =

ex: =,==,!=

1. comparission operator

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

1. logical operator

ex: && , ||, !

1. ternary operator

?:

1. binary operator

true and false

1. increment and decrement operator

ex: ++ ,--

var a++; post increment

var a--; post decrement

var ++a; pre increment

var –a; pre decrement

1. sorthand operator

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

var a=10;

var b=20;

a+=b;

a=a+b;

1. concatenate operator :

+

Var a=10;

ex: alert (‘My variables stores a values is ’+a)

**jacascript variable :**

variable is just like a container where we stored an informations about data i.e called variables.

Or

A variable is container used to stored information about data.

Javascript a variable defined with var symbol;

**After 2015 ES 2015 let , const**

**Ex var a=10;**

**var b=10.5698;**

**var name=’brijesh’;**

**var a=54545454545121212121212121212121n;**

**rules of variables or identifier :**

1. **define variable with \_ underscore**

**var \_a=10;**

1. **define any variables using special character**

**var $=10;**

**var $$=5454.56454;**

1. **a variable defined or start with numeric javascript is not supported**

**var 7a=10; //wrong**

**Let :**

1. let is used to defined any variables in javascript
2. let is not able to redecl a values in javascript
3. let is not called in scope

**let a=10;**

**let name=”Brijesh”;**

**let a={a:”brijesh”};**