**what is javascript ?**

javascript is a client side scripting language

javascript is manage and developed by ECMAScript organizations

javascript is used as programming language

programming is case -senstive language

ex: document.getElementById();

document.write();

javascript used for provides to set attributes or behaviour in your applications

javascript provides instant feedback or behaviour in your applications

javascript load on user browser

javascript provides form validation , make calculations, make vents, make output method , make api etc.

­javascript is called inside of <body> and <head> both tags

Javascript called inside of <script> and its file extentions is .js

   <script type="text/javascript">

        alert('hello i am just load javascript please press ok we redirect on flipkart')

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

   </script>

Javascript called inside of head tag

<head>

   <script type="text/javascript">

        alert('hello i am just load javascript please press ok we redirect on flipkart')

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

   </script>

</head>

Javascript called as external javascript file

alert.js

alert('Hello i am javascript')

window.location='https://www.tops-int.com';

external\_javascript.html

<!DOCTYPE html>

<html>

<head>

    <meta charset='utf-8'>

    <meta http-equiv='X-UA-Compatible' content='IE=edge'>

    <title>Page Title</title>

    <meta name='viewport' content='width=device-width, initial-scale=1'>

    <link rel='stylesheet' type='text/css' media='screen' href='main.css'>

    <script src='js/alert.js'></script>

</head>

<body>

</body>

</html>

**Javascript debugger :**

1) console.log() : this is an method of javascript i.e used to debug js code inside o cosole

2)debbuger : adding debugger we debug our javascript code adding debugger

**Javascript operator :**

Operator is operand some actions using operator

Types of operator

a) airthmatic operator

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

b) assignment operator

ex: =, ==, != ect

c) comparision operator

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

d) logical operator : && , ||

e) sorthand operator:

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

var a=10;

var b=20;

a+=b;

a=a+b;=>30

5) increment/decrement operator

++, --

6) string concatenate operator

Ex: +

7) ternary operator :

Ex: ?:

**Javascript variables :** A variable just like a container where we stored information bout data i.e called varaibles .

Or

Variable is stored informations about data i.e called variable

How to declare variable :

var a=10; //number

var b=”brijesh”; //string

var c=154521541545458445454n; //bigint

var d={id:”1001”, name:”brijesh”}; //object

var e=[“brijesh”,”kumar”,”hitesh”,”Nimesh”] //object

var f; //undefined

var g=true //Boolean

var h=false; Boolean

var i=Symbol(145.6565);

var j=null;

data type : datatype is used yo srored which type of data in any variables i.e called datatype

types of datatype in javascript :

a) string

b) number

c) null

d) object

e) undefined

f) biginteger

g)Boolean

h) Symbol

Note : check datatype of any variables typeof() method are used