**what is javascript ?**

javascript is a clent side scripting language

javascript is most popular scripting language in the world

javascript is used to load content on user browser.

Javascript is used as programming language.

Javascript is used a s a pop and oops based language.

Javascript is used to load or validate user forms or data

Javascript is used to protect data on browser.

Javascript is used to load information on user browser using cookie.

Javascript is a case-senstive language.

Ex: document.getElementById()

Javascript is used to load or called in <head> or <body> section

Javascript file extention is .js and called inside <script> tag.

Javascript is stablised by ecm organization and manage by ECM scripts.

Javascript is lanunched 1995 by ECM scripts.

Javascript is a interpreter based language

How to call javascript

<!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='main.js'></script>

</head>

<body>

    <script type="text/javascript">

        alert('Hi i am loading javascript')

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

    </script>

</body>

</html>

**Javascript operator :**

Operator is used to operand some actions

Types of operator in javascript

1. Airthmatic operator

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

1. assignment operator

Eg : =, ==, != etc

1. comparison operator

Eg : > , < , >=, <=, === etc

1. sorthand operator

Eg : + =, -= , \*=, /=, %= etc

1. ternary operator

Eg : ?: etc

1. concatenate string operator

Eg : + etc

1. increment/decerement operator

Eg : ++, -- etc

I++ post increment

i—post decerement

++I pre increment

--I pre decerement

**What is Variable :**

A variable is used to just like container where we stored an information about data i.e called variable.

Or

A variable is used to stored information about data i.e called variable.

**Ex: Rules of variables**

1. A variable in JavaScript defined by var or let or const keyword.
2. A variable never start with number or numeric

Ex: 3var a=10; wrong way

Var a=10;

1. A variable is never provide white space

Ex: var a b=10; //wrong way

Var ab=10;

Var a\_b=10;

1. A variable never start with underscore

Var \_a=10; wrong way

Var a=10;

1. A variable is never start with reserved keywords

Var if=10; //wrong way

Var name=”Brijesh”;

**Difference between var , let and const**

**Var :** var is access anywhere inside of scope or outside of scope.

<script>

// var a=20;

// var b=30;

// {

//     c=a+b;

//     document.write("additions of numbers is :",c)

// }

var a=20;

var b=30;

{

    c=a+b;

}

document.write("additions of numbers is :",c)

</script>

**Let :** let is used inside of scope we can’t access outside of scope if we take variables with let.