Learning
JavaScript

PRAVEEN NAIR

What is JavaScript?

Used to program the behavior of web pages
JavaScript was invented by Brendan Eich in 1995.

JavaScript code is inserted between <script> and </script> tags.

Javascript was developed by Netscape

JavaScript vs VBScript (Microsoft)

Javascript supports all browser, vbscript supports IE

Originally Sun Microsystem and now Oracle

First Program

```
let a=10; // line break also works
let b=20;
let c = a + b;
console.log(c);
```

Comments // and /*

```
let name='John';

    let age=20

  /*

console.log(name)

*/
```

Printing using backtick

let n=2;

let s = `Price of an apple is ${n}`;

document.write(s)

…………………………..

Also called template literals….try multiline

Math Operators

Addition + (also concatenates string)

Subtraction -

Multiplication *

Division /

Remainder %

Exponentiation **

Comparison Operators

Operator	Description	Comparing	Returns
==	equal to	x == 8	FALSE
		x == 5	TRUE
		x == "5"	TRUE
===	equal value and equal type	x === 5	TRUE
		x === "5"	FALSE
!=	not equal	x != 8	TRUE
!==	not equal value or not equal type	x !== 5	FALSE
		x !== "5"	TRUE
		x !== 8	TRUE
>	greater than	x > 8	FALSE
<	less than	x < 8	TRUE
>=	greater than or equal to	x >= 8	FALSE
<=	less than or equal to	x <= 8	TRUE

Logical Operators

Logical NOT (!)

Logical AND (&&)

Logical OR (||)

Precedence of AND && is higher than OR ||

Conditional branching: if

```
let n = 7
if (n%2==0){
  console.log("Even Number")
}
else{
  console.log("Odd Number")
}
```

while loop

```
while (condition) {
  ...
}
```

For loop

```
for (let i = 0; i < 3; i++) {
  alert(i);
}
```

Try break and continue

JavaScript Functions

```
function showMsg() {
  alert( 'Hello World!' );
}


showMsg();
```

Passing arguments

```
function sum(a, b) {
  c = a + b;
 alert(c);
}
sum(1, 2);
```

Returning Values

```
function sum(a, b) {
  return a + b;
}
let result = sum(1, 2);
alert( result ); // 3
```