



# JS BOOTCAMP : #DAY 1

JavaScript is the world's most popular programming language. JavaScript is the programming language of the Web.

You can run javascript file directly in a browser or can run in pc using node js

## To print message on screen

```
console.log("Hello world!!")
```



semicolon is optional in javascript.

To create a variable (variables are to store data)

```
var a = 22;  
console.log(a)           //prints '22'
```

Variable created using var can be changed

```
var a = 22;  
console.log(a)           //prints '22'
```

```
a = 30;  
console.log(a)           //prints '30'
```

To make a variable constant we use const keyword

```
const a = 10;  
a = 20           //error ,const cannot be changed
```

## Arithmetic operations

```
var a = 10  
var b = 20  
var c = a + b           // c = 30  
console.log(a+b)        // prints 30  
console.log(a-b)  
console.log(a*b)  
console.log(a/b)  
console.log(a%b)        //modulus,used for printing reminder
```

## increment operator

```
var a = 10;  
a = a + 1;             // a = 11  
a++;                   // a = 12
```

## String

```
var a = "hello"  
var b = "world"  
c = a + b  
console.log(c)          //prints 'hello world'
```

```
var x = "10"  
var y = "25"  
console.log(x + y)           //prints '1025'
```



In the above case of string ,concatenation takes place and displays the combined result

## Conditional statement

```
if(2 < 3)  
{  
  console.log("correct");           //prints correct  
}  
  
//if the condition is true then statements inside if block gets executed
```

```
var a = 10  
var b = 20  
if(a == b)  
{  
  console.log("equal")  
}  
else  
{  
  console.log("not equal");           //prints 'not equal'  
}
```

## Loops

loops are used to repeat a statement till the condition fails

```
for(i=0 ; i<10 ; ++i)
{
    console.log("GECI")
}
```

OUTPUT

GECI  
GECI  
GECI  
GECI  
GECI  
GECI  
GECI  
GECI  
GECI  
GECI  
GECI

```
for(i=0 ; i<5 ; ++i)
{
    console.log(i)
}
```

OUTPUT

0  
1  
2  
3  
4



the above demonstrated is a for loop and there are other loops also which will be discussed in coming sessions



A good site to learn javascript : <https://www.w3schools.com/js/>

**Happy tinkering!!**