

```
//Arithmetic operators:)
```

```
var a=7;  
var b=4;
```

```
document.write(a++); //post increment: increment after assign value to variable  
document.write("<br>");  
document.write(++a); //pre increment: increment 1st then assign value
```

```
//2.comparison operator :
```

```
document.write(a==b);  
document.write("<br>");  
document.write(a!=b);  
document.write("<br>");  
document.write(a<b);  
document.write("<br>");  
document.write(a>b);  
document.write("<br>");  
document.write(a<=b);  
document.write("<br>");  
document.write(a>=b);  
document.write("<br>");
```

```
//logical operators
```

```
    //1.and operator: a&&b  
    //2.or operator: a||b  
    //3.not operator:!a
```

```
document.write((4<5)&&(5<6)); //both conditions are true    : true  
document.write((2>3)&&(4>1)); // one is true one is false: false  
document.write((4<2)&&(10<1)); //both false: false
```

```
document.write("<br>");  
//2.Or operator:
```

```
document.write((4<5)|| (5<6)); //any one condition is true: true  
document.write((2>3)|| (4>1)); // one is true one false: true  
document.write((4<2)|| (10<1)); //both false: false
```

```
//3.not operator:
```

```
document.write("<br>");  
document.write(!true); //false  
document.write(!false); //true  
document.write(!(3<5)); //false
```

```
document.write("<br>");
```

```
//Assignment operators:
var x=5;
var y=4;

document.write(x=y); //
document.write("<br>");
document.write(x+=y); //4+5=9
document.write("<br>");
document.write(x-=y);
document.write("<br>");
document.write(x*=y);
document.write("<br>");
document.write(x/=y);
document.write("<br>");
document.write(x%=y);
document.write("<br>");
document.write(x<=<y);
document.write("<br>");
document.write(x>=>y);
document.write("<br>");
document.write(x>>>y);
document.write("<br>");
document.write(x^=y);
document.write("<br>");
</script>
```