

- Type conversion
- Comparison Operators
- Conditional Statements (if, else, ...)

1. Type conversion

◦ String to Number

■ Number("3.14")	// returns 3.14
■ Number(" ")	// returns 0
■ Number("")	// returns 0
■ Number("99 88")	// returns NaN
■ Number("88")	// returns 88

◦ Number to String (var x = 7)

■ (123).toString()	// returns "123"
■ (100 + 20).toString()	// returns "120"
■ x.toString()	// returns "7"
■ String(x)	// returns "7"
■ String(144)	// returns "144"
■ String(100 + 23)	// returns "123"

2. Comparison Operators (var x = 5)

==	equal to	x == 8	false
		x == 5	true
		x == "5"	true
!=	not equal	x != 8	true
		x != "10"	true
		x != 5	false
>	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
		x <= 5	true
		x <= 4	false

3. Conditional Statements (if, else, ...)

```
function sum() {  
    var a = document.getElementById("A").value;  
    var b = document.getElementById("B").value;  
    var c = Number(a) + Number(b) ;  
    document.getElementById("C").value = c;  
    if (c == 0 ) {  
        document.getElementById("C").style.backgroundColor = "red";  
    } else if (c%2 == 0) {  
        document.getElementById("C").style.backgroundColor = "lightgreen";  
    } else if (c%2 == 1) {  
        document.getElementById("C").style.backgroundColor = "lightblue";  
    }  
}
```

Reference :

https://www.w3schools.com/js/js_datatypes.asp
https://www.w3schools.com/js/js_type_conversion.asp
https://www.w3schools.com/js/js_number_methods.asp
https://www.w3schools.com/js/js_comparisons.asp