# Arithmetic operator

let a = 5;

let b = 3;

console.log(a + b); // 8

console.log(a - b); // 2

console.log(a \* b); // 15

console.log(a / b); // 1.6666666666666667

console.log(a % b); // 2

a++;

console.log(a); // 6

b--;

console.log(b); // 2

# Assignment operators

let x = 10;

x += 5; // x is 15

x -= 3; // x is 12

x \*= 2; // x is 24

x /= 4; // x is 6

x %= 4; // x is 2

console.log(x); // 2

# Comparison operator

console.log(5 == '5'); // true

console.log(5 === '5'); // false

console.log(5 != '5'); // false

console.log(5 !== '5'); // true

console.log(5 > 3); // true

console.log(5 >= 5); // true

console.log(3 < 5); // true

console.log(5 <= 5); // true

# Logical operator

console.log(true && false); // false

console.log(true || false); // true

console.log(!true); // false

console.log(!false); // true

# Bitwise operators

console.log(5 & 1); // 1

console.log(5 | 1); // 5

console.log(5 ^ 1); // 4

console.log(~5); // -6

console.log(5 << 1); // 10

console.log(5 >> 1); // 2

console.log(5 >>> 1); // 2

# Other operators

let y = 5;

let result = (y > 3) ? 'Yes' : 'No';

console.log(result); // 'Yes'

console.log(typeof 5); // 'number'

console.log(typeof 'hello'); // 'string'

let date = new Date();

console.log(date instanceof Date); // true

# Prompt in js

let userInput = prompt("Please enter some input:");