

## JavaScript Operators

### Assignment Operators

- + Addition
- Subtraction
- \* Multiplication
- / Division
- % Modulus
- ++ Increment
- Decrement
- \*\* Exponentiation

### Assignment Operators

= Simple Assignment  $c=a+b$

+= or -= or \*= or /= or %= or \*\*= Add/Sub/Mul/Div/Modulus/Expo and Assign

### Comparison Operators

== Equal to  $x==y$

!= Not Equal  $x!=y$

=== Strict equal  $x===y$

!== Strict not equal  $x!==y$

> Greater than  $x>y$

>= Greater than or equal  $x>=y$

< Less than  $x<y$

<= Less than or equal  $x \leq y$

### **Logical Operators**

&& Logical AND  $x \& \& y$  Return True if both are true else false

|| Logical OR  $x || y$  true if either of the operand is true

! Logical NOT  $!x$  true if the operand is false and vice-versa

### **Bitwise Operator**

& Bitwise AND

| Bitwise OR

^ Bitwise XOR

~ Bitwise NOT

<< Left shift

>> Sign-propagating right shift

>>> Zero fill right shift

### **Ternary Operator**

? : Return value based on condition

Eg:

$5 > 3$  ? 'success' : 'not success' ;

typeof Returns the datatype

