

# Basic Operations math

## Unary - Binary - operand

- Operand  $\rightarrow 5 + 2$
- Unary  $\rightarrow$  Single operand  $\rightarrow -x$  (negative sign)
- Binary  $\rightarrow 1 + 1 = 2$

## Math

$+$   $-$   $*$   $**$   $\%$

$\rightarrow$  remainder

$\rightarrow$  exponent  $\rightarrow 2 ** 3; // 8$

## Binary string +

- "A" + "B"  $\rightarrow$  "AB"
- "1" + 2  $\rightarrow$  "12"
- $\rightarrow 2 + 2 + '1' \rightarrow$  "41"
- $\rightarrow '1' + 2 + 2 \rightarrow$  122
- on / convert the string to number

## Unary +

- if is a number does nothing
- otherwise convert to number

## Bitwise operations

$\&$  |  $\wedge$   $\rightarrow$  xor  $\sim$   $\rightarrow$  not

$\ll$  left shift

$\gg$  right shift

## Comma

let a = (1 + 2, 3 + 4)

$\rightarrow$  last result is returned