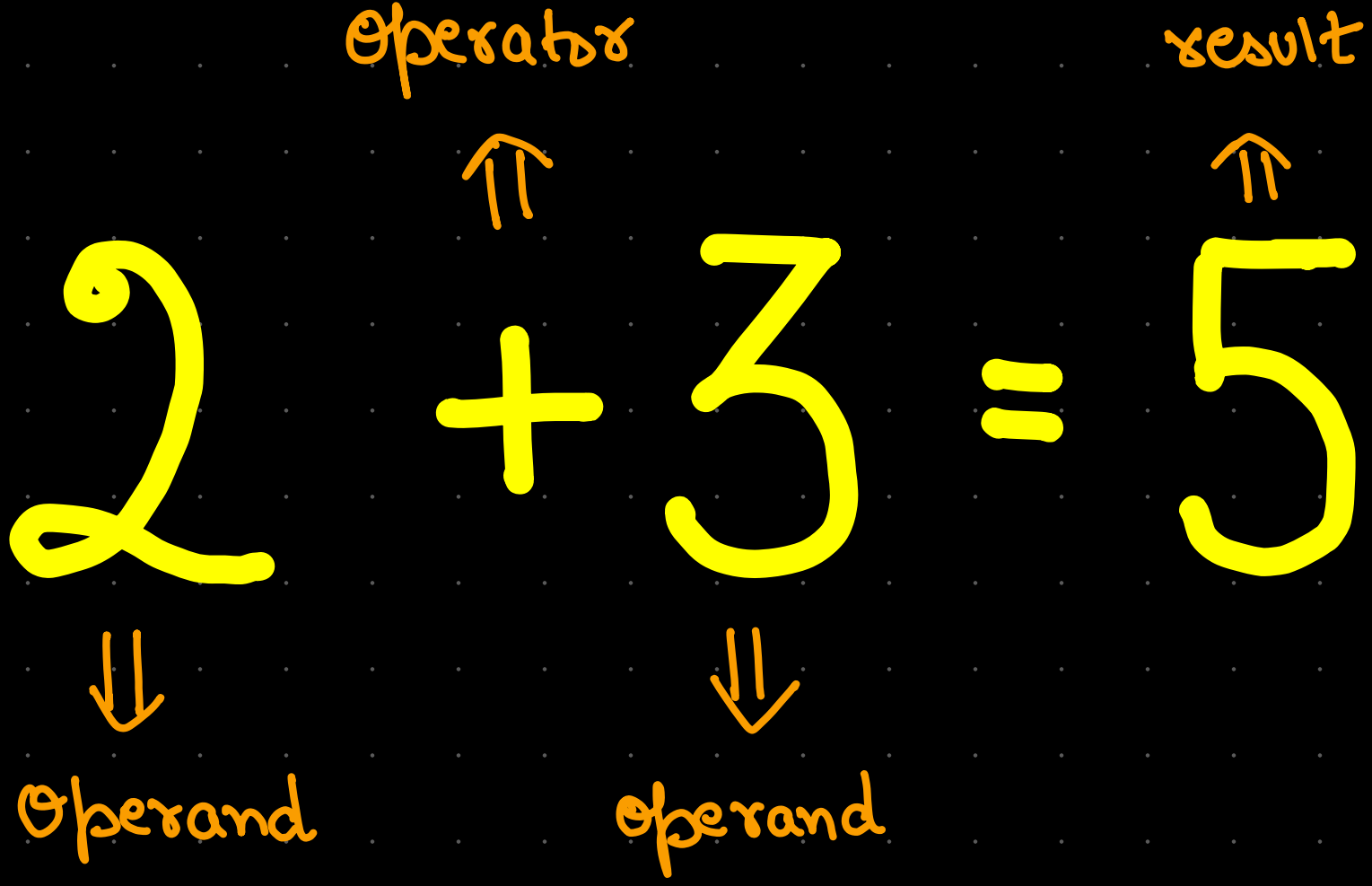
Operators in Python

Operators are special symbol that carry out different kinds of computational on values

There are different types of operators that python supports

operator are special symbol in Python (& other languages) which can manipulate the value of operands.


Operator
result
2
+
3
=
5
Operand
Operand

Types of operators in Python

- Arithemaic operators
- Comparision / Relational operators
- Logical operators
- Assignment operators
- Identity operators
- Membership Operators
- Binary operators

Arithematic Operator

Operator	Name	Example
+	Addition	x + y
-	Subtraction	x - y
*	Multiplication	x * y
/	Division	x / y
%	Modulus	x % y
**	Exponentiation	x ** y
//	Floor division	x // y

2^3 = 8

2**3 = 8

Let's see some examples

Modulus Operator (%)

$7 \div 2$

$$7 = 2 * 3 + \underline{1} \Rightarrow \text{Remainder}$$

$3 \rightarrow$ Quotient

$$2 \overline{)\,7} \quad 3, \quad 6, \quad 1 \leftarrow$$

ans $\rightarrow$ 1

So, modulus can act as a great divisibility test.

$$10 = 2 * 5 + \underline{0}$$

$$2 \overline{)\,10} \quad 5, \quad 10, \quad 0 \leftarrow \text{ans}$$

Floor Division Operator (//)

7 // 4 = 1

It returns the integral part after dividing.
(not rounding off)

8 / 3 = 2.66

7 / 3 = 2.33