

IDLE: Integrated Development Environment

Interactive Mode: Issue a command to be immediately executed by Python.

(↓ IDLE → File → New File → ^{window} File → Save → ^{type} code → save → run → run module

Script mode: compose code in a separate window (in sequential
and save it as a new document on computer
can be read by IDLE or a later time
and executed

Comment

Symbol | " " ' or #

"""

This line will be ignored

So will this one

"""

the line will be ignored

Python 运算符

算术运算符 Math Operators

+ Addition

- Subtraction

* Multiplication

/ Division (floating point division - fractional results included)

// Division (integer division - fractional results truncated)

** power

% remainder

比较运算符

== 等于 != 不等于 > 大于 < 小于 >= 大于等于 <= 小于等于

return: True False

赋值运算符: 见循环

成员运算符:

in

not in

逻辑运算符 Logical Operators

and, or, not.

"and" operator.

Operand 1		Operand 2	Result
True	and	True	True
True	and	False	False
False	and	True	False
False	and	False	False

"or" operator

Operand 1		Operand 2	Result
True	or	True	True
True	or	False	True
False	or	True	True
False	or	False	False.

"not" operator

Operand 1	Result
not True	False
not False	True.

Short-Circuit Evaluation

$A > B$ or $C > D$. $A > B$ True \rightarrow True $A > B$ False $\rightarrow C > D$

$A > B$ and $C > D$ $A > B$ False \rightarrow False $A > B$ True $\rightarrow C > D$

Order of operations

Done 1st

2nd

3rd

4th

5th

6th

7th

8th

9th

10th

11th

Done last

Operator(s)

(), [], { }

X[index], X[index:index], X(argument...), X.attribution

**

*, /, //, %

+, -

in, not in, ==, !=, <=, >=, >, <

not x

and

or

if-else

lambda

= = ~~Assignment~~ ^{Assignment}

Operator Type

specify order of operations

exponentiation

multiplicative

addition

comparison

logical

logical

logical