

@ Command Line

Python Shell	\$ python
Run Script/File	\$ python <filename>.py

Data Types

Boolean True; False

Numeric int(str); float(str)

String 'abcdef';
str(number)

List ['abc', 1, 2];
list(col)

Tuple (cannot update)
('abc', 1, 2);
tuple(col)

Dictionary {'name': 'john', 'num': 1};
dict["key"] = val;
obj.__dict__

Set (unique) set(col)

- 'col' means collection

Operations

Modulus 1 % 2 == 1

Exponent 9 ** 2 == 81

Increment c += a ~~ c=c+a

Decrement c -= a ~~ c=c-a

Logical AND (True and False) == False

Logical OR (True or False) == True

Membership 1 in [1,2,3] == True;
1 not in [1,2,3] == False

Object Obj1 is Obj2

Identity

String

Substring 'abcd'[1:] == 'bcd';
'abcd'[:-1] == 'abc'

Find str.find(otherstr)

Check if number str.isdigit()

Join "-".join(["a","b"])
=="a-b"

String (cont')

Length len(str)

Lower, Upper Case str.lower();
str.upper()

Split "a b".split(" ")
=="['a','b']"

List

Index ['a', 'b', 'c'][1:]
=="['b','c']"

Length len([1,2,3]) == 3

Concatenate [1,2] + [3,4] == [1,2,3,4]

Append [1,2].append(3) == [1,2,3]

Pop [1,2,3].pop(1) == 2

Remove [1,2,3].remove(1)

Sort [2,1,3].sort() == [1,2,3]



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Published 31st March, 2016.

Last updated 12th May, 2016.

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