

## @ 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 <b>and</b> False) == False
Logical OR	(True <b>or</b> False) == True
Membership	1 in [1,2,3] == True; 1 not in [1,2,3] == False
Object Identity	Obj1 is Obj2

## String

Substring	'abcd'[1:] == 'bcd'; 'abcd'[:-1] == 'abc'
Find	str. <b>find</b> (otherstr)
Check if number	str. <b>isdigit</b> ()
Join	".".join(["a","b"]) =="a-b"

## String (cont')

Length	len(str)
Lower, Upper Case	str. <b>lower</b> (); str. <b>upper</b> ()
Split	"a b". <b>split</b> (" ") =="['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]. <b>append</b> (3) == [1,2,3]
Pop	[1,2,3]. <b>pop</b> (1) == 2
Remove	[1,2,3]. <b>remove</b> (1)
Sort	[2,1,3]. <b>sort</b> () == [1,2,3]



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