

Cheatography

Python 3 Beginner's Reference Cheat Sheet

by paul_benn via cheatography.com/29548/cs/8690/

Operators

Assignment	=
Arithmetic	+,-,*,/,%
Comparison	>,>=,<,<=,==,! =
Logical	not, and, or

String operations (string s)

s.count(subs string)	Count occurrences
s.find (sub string)	Index of first occurrence
s.join (sequence)	Concatenate sequence
s.split([delimiter])	Split into list

List operations (list l, element e)

l.append(e)	Add e
l.remove(e)	Remove e
l.pop(e)	Remove and return e
l.count(e)	Count occurrences
l.reverse()	Reverse l
l.sort()	Sort l

Dictionary operations (dict d, key k)

d.clear()	Clear d
d.get(k)	Return d[k]
d.keys()	Return keys in d
d.values()	Return values in d
d.items()	Return key-value pairs in d

File operations (file f)

f = open(path)	Open f
f.read()	Read f
f.readline()	Read line from f
f.readlines()	Return list of lines in f
f.write(s)	Write s to f
f.close()	Close f

In-built functions

int(), float(), str(), bool() ...	Type casting
len(data)	Length
min(values), max(values)	Minimum / Maximum
pow(x, y, [z])	X to the power Y [mod Z]
range(start, stop, [step])	Ordered list
input(), print()	Console Input/Output

Useful standard library modules

math, numpy, scipy	Math
matplotlib	Graph plotting
random	Random generators
datetime	Date and time
timeit	Performance
re	Regular expressions
os	OS interaction
sys	stdin, stdout, stderr, version
urllib	Internet access
zlib	Data compression

Object-oriented

class Person:	Class definition
x = Person (age, height)	Object creation
x.age	Field access
x.birthday()	Method access

Module import

```
import module  
from module import submodule
```

Control Flow

if(cond): <code>	else: <code>	If-else
if(cond1): <code>	elif(cond1): <code>	If-elif-
de>	else: <code>	else
for i in range([start], stop, [step]): <code>		For loop over range
for i in items: <code>		For loop over iterable
while(condition): <code>		While loop
break		Exit first enclosing loop
continue		Skip to next iteration



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