Python Class Summary Cheat Sheet

by SSNSBE4 via cheatography.com/145914/cs/31481/

Basic Python Functions

Operators and Comparing Values

+	Addition
-	Subtraction
*	Multiplication
/	Division
//	Integer Division
%	Modulus (Remainder)
==	equal
!=	not equal
>	greater than
<	smaller than
>=	greater than or equal
<=	smaller than or equal

Value Conversion

str()	converts value to a string
int	converts value to an integer
float()	converts value to a float
bool()	converts value to a boolean

Lists

sort()

reverse()

remove(*item*)

pop(*position*)

insert(*position, item*)

index(*item*)

extend(*list*)

count(*item*)

append(*item*)

Dictionaries

d.update()

d.keys()

d.values()

d.items()

d.pop(*key[,default]*)

d.popitem()

d.get(*key[,default]*)

d.setdefault(*key[,default]*)

d.clear()

del d[*key*]

d[*key*] = *value*

d = name of dictionary

HOW TO CREATE AND ACCESS A DICTIONARY AND ITS KEYS

Tuples

Strings

capitalize()

endswith(*sub*)

strip()

join()

replace(*old, new*)

split(*sep*)

upper()*

lower()*

isalpha()*

isalnum()*

isdigit()*

isspace()*

islower()*

isupper()*

istitle()*

*methods marked with * are applicable only for 8-bit strings*

Ranges

Indexes and Slices

len(a)	6
a[0]	0
a[5]	5
a[-1]	5
a[-2]	4
a[1:]	[1,2,3,4,5]
a[:5]	[0,1,2,3,4]
a[:-2]	[0,1,2,3]
a[1:3]	[1,2]
a[1:-1]	[1,2,3,4]
b=a[:]	b = a = [0,1,2,3,4,5]

a = [0,1,2,3,4,5]

Datetime

today()

now(timezoneinfo)

utcnow()

fromtimestamp(*timestamp*)

utcfromtimestamp(*timestamp*)

combine(*date, time*)

IMPORT??????

Math

square root	`math.sqrt()`
greatest common divisor	`math.gcd()`
power	`math.pow()`
pi	`math.pi`

*from math import**