Python 2.6 Cheatsheet

Statements

import module
import module **as** alias
import module.member
from module **import** member, ..
print *expr, ..*
variable = *expr*
del *variable*
if *condition*:
    suite ..
elif *condition*:
    suite ..
else:
    suite ..
for variable **in** *iterable*:
    suite ..
while *condition*:
    suite ..
break
continue
def a_function(*arg, ..*):
    '''Docstring.'''
    global variable
    suite ..
    return *expr*
class AClass(object):
    '''Docstring.'''
    suite
    def __init__(self, arg, ..):
        suite ..
try:
    suite ..
except *expr*, .. :
    suite ..
finally:
    suite ..
assert *expr*
raise *exception*
exec *expr*
pass
with *expr* **as** variable:
    suite ..
def a_generator(*arg*, ..):
    '''Docstring.'''
    suite ..
    yield *expr*

Literals

42 1e6 3.14 1+3j 0x1F 0b10
'String' “string” '''docstring'''
r'Raw' b'Bytes' u'Unicode'
[] [*expr***,** .. **] () (***expr***,** .. **)**
{} {*expr***:** *expr***,** .. **}**

Operators

`*expr*`
x[i:j:k]
x[i] x[key]
x.attribute
x ** y
~x
+x, *-x*
* / %
+ -
<< >>
x & y
x ^ y
x | y
< <= > >=
<> != ==
x in iter
x not in iter
not *x*
and
or
lambda *x*, .. : *expr*
expr if *cond* else *expr*
[*x* **for** *x* **in** *iterable* **if** *cond*]
(*x* **for** *x* **in** *iterable* **if** *cond*)

Common attributes

__doc__	Doc string
__dict__	Module, class or instance namespace
__file__	pathname of module (if available)
__name__	module, class, or function name

Types

bool
buffer
complex
float
int
long
str
unicode
tuple
type
dict
list
object
set
frozenset
slice
None False True Ellipsis

Functions

abs
bin
chr
coerce
cmp
dir
divmod
eval
file
hash
hex
input
max min
oct
open
ord
pow
raw_input
repr
round
sum
unichr

Sequence functions

all
any
apply
enumerate
filter
iter
len
map
next
range
reduce
reversed
sorted
xrange
zip

Introspection functions

callable
classmethod
compile
delattr
execfile
getattr
hasattr
globals
id
intern
isinstance
issubclass
locals
property
reload
setattr
staticmethod
super
vars

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String methods

capitalize()
center(width[, fillchar])
count(sub[, start[, end]])
decode([encoding[, errors]])
encode([encoding[, errors]])
endswith(suffix[, start[, stop]])
expandtabs([tabsize])
find(sub[, start[, stop]])
format(format_string, *args, **kwargs)
index(sub[, start[, stop]])
isalnum()
isalpha()
isdecimal() †
isdigit()
islower()
isnumeric() †
isspace()
istitle()
isupper()
† Unicode only
join(seq)
ljust(width[, fillchar])
lower()
lstrip([chars])
partition(sep)
replace(old, new[, count])
rfind(sub[, start[, stop]])
rindex(sub[, start[, stop]])
rjust(width[, fillchar])
rpartition(sep)
rsplit(sep[, maxsplit])
rstrip([chars])
splitlines([keepends])
split(sep[, maxsplit])
startswith(suffix[, start[, stop]])
strip([chars])
swapcase()
title()
translate(table[, deletechars])
upper()
zfill(width)

String constants

ascii_letters
ascii_lowercase
ascii_uppercase
digits
hexdigits
letters
lowercase
octdigits
printable
punctuation
uppercase
whitespace

Sequence methods

append(x) ‡
count(x)
extend(t) ‡
index(x)
insert(i, x) ‡
pop([i]) ‡
remove(x) ‡
reverse() ‡
sort([cmp[, key[, reverse]]]) ‡
‡ Lists/mutable sequences only

Dictionary methods

clear()
copy()
fromkeys(seq[, value])
get(key[, default])
has_key(key)
items()
iteritems()
iterkeys()
itervalues()
keys()
pop(key[, default])
popitem()
setdefault(key[, default)
update([other])
values()

File object methods

close()
closed
encoding
errors
fileno()
flush()
isatty()
mode
name
newlines
next()
read([size])
readinto
readline([size])
readlines([sizehint])
seek(offset[, whence])
softspace
tell()
truncate([size])
write(str)
writelines(seq)
xreadlines()

Set/Frozenset methods

add(elem) §
clear() §
copy()
difference(oth)
discard(elem) §
isdisjoint(oth)
intersection_update(oth) §
issubset(oth)
issuperset(oth)
pop(elem) §
remove(elem) §
union(oth)
update(oth) §
symmetric_difference(oth)
symmetric_difference_update(oth) §
§ Set type only

Useful modules

collections
decimal
datetime
doctest
io
math
os
os.path
string
sys
re
time

Exceptions

Exception **ArithmeticError**
AssertionError **AttributeError**
BaseException **EOFError**
EnvironmentError
FloatingPointError
GeneratorExit **IOError**
ImportError **IndentationError**
IndexError **KeyError**
KeyboardInterrupt
LookupError **MemoryError**
NameError **NotImplemented**
NotImplementedError
OSError **OverflowError**
ReferenceError **RuntimeError**
StandardError **StopIteration**
SyntaxError **SystemError**
SystemExit **TabError**
TypeError **UnboundLocalError**
UnicodeDecodeError
UnicodeEncodeError
UnicodeError
UnicodeTranslateError
ValueError **ZeroDivisionError**

Warnings

Warning **DeprecationWarning**
FutureWarning
ImportWarning
PendingDeprecationWarning
RuntimeWarning
SyntaxWarning
UnicodeWarning
UserWarning