

Resource

Online

Official Website

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Python Quick Reference Card [.pdf]
Python 2.6 Quick Reference

Related

Django

Array

Array Methods

append(x)
buffer_info()
byteswap()
count(x)
extend(iterable)
fromfile(f,n)
fromlist(list)
fromstring(s)
fromunicode(s)
index(x)
insert(i,x)
pop([i])
remove(x)
reverse()
tofile(f)
tolist()
tostring()
tounicode()

Indexes and Slices

a=[0,1,2,3,4,5]
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[:] Shallow copy of a

Class

Special Methods

__new__(cls)
__lt__(self, other)
__init__(self, args)
__le__(self, other)
__del__(self)
__gt__(self, other)
__repr__(self)
__ge__(self, other)
__str__(self)
__eq__(self, other)
__cmp__(self, other)
__ne__(self, other)
__index__(self)
__nonzero__(self)
__hash__(self)
__getattr__(self, name)
__getattribute__(self, name)
__setattr__(self, name, attr)
__delattr__(self, name)
__call__(self, args, kwargs)

String

String Methods

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

Random

Functions

seed([x])
getstate()
setstate(state)
jumpahead(n)
getrandbits(k)
randrange([start[, stop[, step]])
randint(a,b)
choice(seq)
shuffle(x[, random])
sample(population,k)
random()
uniform(a,b)
triangular(low,high,mode)
betavariate(alpha,beta)
expovariate(lambd)
gammavariate(alpha,beta)
gauss(mu,sigma)
lognormvariate(mu,sigma)
normalvariate(mu,sigma)
vonmisesvariate(mu,kappa)
paretovariate(alpha)
weibullvariate(alpha,beta)

String Formatting

Formatting Operations

'd' Signed integer decimal.
'i' Signed integer decimal.
'o' Signed integer decimal.

File

Methods

close()
flush()
fileno()
isatty()
next()
read([size])
readline([size])
readlines([sizehint])
xreadlines()
seek(offset[, whence])
tell()
truncate([size])
write(str)
writelines(sequence)

Attributes

closed
encoding
errors
mode
name
newlines
softspace

Math

Number Theoretic

ceil(x)
copysign(x,y)
fabs(x)
factorial(x)
floor(x)
fmod(x,y)
frexp(x)
fsum(iterable)
isinf(x)
isnan(x)
ldexp(x,i)
modf()
trunc()

Power and Logarithmic

exp(x)
log(x[, base])
log1p(x)
log10(x)
pow(x,y)
sqrt(x)

Trigonometric Functions

acos(x)
asin(x)
atan(x)
atan2(y,x)
cos(x)
hypot(x,y)
sin(x)
tan(x)

Angular Conversion

degrees(x)
radians(x)

Hyperbolic Functions

acosh(x)
asinh(x)
atanh(x)
cosh(x)
sinh(x)
tanh(x)

Constants

math.pi
The mathematical constant π = 3.141592..., to available precision.
math.e
The mathematical constant e = 2.718281..., to available precision.

Set & Mapping

Set Types

len(s)
x in s
x not in s
isdisjoint(other)
issubset(others)
issuperset
union(other...)
intersection(other, ...)
difference(other...)
symmetric_difference(other)
copy()
update()
intersection_update()
difference_update()
symmetric_difference_update()
add(elem)
remove()
discard(elem)
pop()
clear()

Mapping Types

len(d)
d[key]
d[key] = value
del d[key]
key in d
key not in d
iter(d)
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

OS

os Variables

altsep
Alternative sep
curdir
Current dir string
defpath
Default search path
devnull
Path of null device
extsep
Extension separator
linesep
Line separator
name
Name of OS
pardir
Parent dir string
pathsep
Patch separator
sep
Path separator

Date Formatting

Date

Date Object

replace(year, month, day, hour, minute, second, microsecond)
timetuple()
toordinal()
weekday()
isoweekday()
isocalendar()
isoformat()
__str__()
ctime()
strftime()

Datetime Objects

date()
time()
timetz()
replace([year[, month[, minute[, second[, tzinfo]]]]])
astimezone(tz)
utcoffset()
dst()
tzname()
timetuple()
utctimetuple()
toordinal()
weekday()
isoweekday()
isocalendar()
isoformat()
__str__()
ctime()
strftime()

Time Object

replace([hour[, minute[, microsecond[, tzinfo]]]])
isoformat()
__str__()
strftime()
utcoffset()
dst()
tzname()

Sys Variables

argv
Command line arguments
builtin_module
Linked C modules
byteorder
Native byte order
check_interval
Signal check frequency
exec_prefix
Root directory
executable
Name of executable
exitfunc
Exit function name
modules
Loaded module path
path
Search path
platform
Current platform
stdin, stdout, stderr
File objects for stdin, stdout, stderr
version_info
Python version tuple
winver
Version number

sys.argv

sys.argv[0]
sys.argv[1]
sys.argv[2]
sys.argv[3]
sys.argv[4]

Search

%A	Abbreviated weekday (Sun)
%a	Weekday (Sunday)
%B	Abbreviated month name (Jan)
%b	Month name (January)
%C	Date and time
%d	Day (leading zeros) (01 to 31)
%H	24 hour (leading zeros) (00 to 23)
%I	12 hour (leading zeros) (01 to 12)
%j	Day of year (001 to 366)
%m	Month (01 to 12)
%M	Minute (00 to 59)
%p	AM or PM
%S	Second (00 to 61?)
%U	Week number1 (00 to 53)
%w	Weekday2 (0 to 6)
%W	Week number3 (00 to 53)
%x	Date
%X	Time
%y	Year without century (00 to 99)
%Y	Year (2008)
%Z	Time zone (GMT)
%%	A literal "%" character (%)