Resource

Online
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Python 2.6 Quick Reference

Related
Django

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)

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()

OS

os Variables

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

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)

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

Date Time

Date Object
replace((year, month, day))
timetuple()
toordinal()
weekday()()
isoweekday()()
isocalendar()()
isoformat()
__str__()
ctime()
strftime()

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

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

Class

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

Sys

Sys Variables
argv
Command line args
builtin_module_names
Linked C modules
byteorder
Native byte order

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.

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

lognormvariate(mu,sigma)
normalvariate(mu,sigma)
vonmisesvariate(mu,kappa)
paretovariate(alpha)
weibullvariate(alpha,beta)

Date Formatting

Date Formatting
%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)

String Formatting

Formatting Operations
'd'
Signed integer decimal.
'i'
Signed integer decimal.
'o'
Signed octal value.
'u'
Obsolete type – it is identical to 'd'.
'x'
Signed hexadecimal (lowercase).
'X'
Signed hexadecimal (uppercase).
'e'
Floating point exponential format (lowercase).
'E'
Floating point exponential format (uppercase).
'f'
Floating point decimal format.
'F'
Floating point decimal format.
'g'
Floating point format. Uses lowercase exponential format if exponent is less than -4 or not less than precision, decimal format otherwise.
'G'
Floating point format. Uses uppercase exponential format if exponent is less than -4 or not less than precision, decimal format otherwise.
'c'
Single character (accepts integer or single character string).
'r'
String (converts any Python object using repr().
's'
String (converts any Python object using str()

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)

check_-interval
Signal check frequency
exec_prefix
Root directory
executable
Name of executable
exitfunc
Exit function name
modules
Loaded modules
path
Search path
platform
Current platform
stdin, stdout, stderr
File objects for I/O
version_info
Python version info
winver
Version number

sys.argv
sys.argv[0]	foo.py
sys.argv[1]	bar
sys.argv[2]	-c
sys.argv[3]	qux
sys.argv[4]	--h

%Y
Year (2008)
%Z
Time zone (GMT)
%%
A literal "%" character (%)

'%'
No argument is converted, resul ts in a '%' character in the resul t.