

sys Variables

argv	Command line args
builtin_module_names	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 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` for `python foo.py bar -c qux --h`

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

os Variables

altsep	Alternative separator
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	Path separator
sep	Path separator

NOTE OS name can be `posix`, `nt`, `mac`, `os2`, `ce`, `java` or `riscos`

Class Special Methods

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

String Methods

<code>capitalize()</code> *	<code>lstrip()</code>
<code>center(width)</code>	<code>partition(sep)</code>
<code>count(sub,start,end)</code>	<code>replace(old,new)</code>
<code>decode()</code>	<code>rfind(sub,start,end)</code>
<code>encode()</code>	<code>rindex(sub,start,end)</code>
<code>endswith(sub)</code>	<code>rjust(width)</code>
<code>expandtabs()</code>	<code>rpartition(sep)</code>
<code>find(sub,start,end)</code>	<code>rsplit(sep)</code>
<code>index(sub,start,end)</code>	<code>rstrip()</code>
<code>isalnum()</code> *	<code>split(sep)</code>
<code>isalpha()</code> *	<code>splitlines()</code>
<code>isdigit()</code> *	<code>startswith(sub)</code>
<code>islower()</code> *	<code>strip()</code>
<code>isspace()</code> *	<code>swapcase()</code> *
<code>istitle()</code> *	<code>title()</code> *
<code>isupper()</code> *	<code>translate(table)</code>
<code>join()</code>	<code>upper()</code> *
<code>ljust(width)</code>	<code>zfill(width)</code>
<code>lower()</code> *	

NOTE Methods marked * are locale dependant for 8-bit strings

List Methods

<code>append(item)</code>	<code>pop(position)</code>
<code>count(item)</code>	<code>remove(item)</code>
<code>extend(list)</code>	<code>reverse()</code>
<code>index(item)</code>	<code>sort()</code>
<code>insert(position,item)</code>	

Indexes and Slices (of `a=[0,1,2,3,4,5]`)

<code>len(a)</code>	6
<code>a[0]</code>	0
<code>a[5]</code>	5
<code>a[-1]</code>	5
<code>a[-2]</code>	4
<code>a[1:]</code>	[1,2,3,4,5]
<code>a[:5]</code>	[0,1,2,3,4]
<code>a[:-2]</code>	[0,1,2,3]
<code>a[1:3]</code>	[1,2]
<code>a[1:-1]</code>	[1,2,3,4]

Datetime Methods

<code>today()</code>	<code>fromordinal(ordinal)</code>
<code>now(timezoneinfo)</code>	<code>combine(date,time)</code>
<code>utcnow()</code>	<code>strptime(date,format)</code>
<code>fromtimestamp(timestamp)</code>	<code>utcfromtimestamp(timestamp)</code>

Time Methods

<code>replace()</code>	<code>utcoffset()</code>
<code>isoformat()</code>	<code>dst()</code>
<code>__str__()</code>	<code>tzname()</code>
<code>strptime(formato)</code>	

Date Formatting (strftime and strptime)

%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 a 23)
%I	12 hour (leading zeros) (01 a 12)
%j	Day of the year (001 a 366)
%m	Month (01 a 12)
%M	Minute (00 a 59)
%p	AM or PM
%S	Second (00 a 61) ¹
%U	Week number ² (00 a 53)
%w	Weekday ³ (0 a 6)
%W	Week number ⁴ (00 a 53)
%x	Date
%X	Time
%y	Year without century (00 a 99)
%Y	Year (2009)
%Z	Time zone (GMT)
%%	A literal "%" character (%)

1 -- Not a mistake. Range takes account of leap seconds

2 -- Sunday as start of week.

3 -- 0 is Sunday, 6 is Saturday.

4 -- Monday as start of week.

File Methods

<code>close()</code>	<code>readlines(size)</code>
<code>flush()</code>	<code>seek(offset)</code>
<code>fileno()</code>	<code>tell()</code>
<code>isatty()</code>	<code>truncate(size)</code>
<code>next()</code>	<code>write(string)</code>
<code>read(size)</code>	<code>writelines(list)</code>
<code>readline(size)</code>	

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