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**Python sys Variables**

**Python sys.argv**

**Python os Variables**

**Python Class Special Methods**

**Python List Methods**

insert(position, item)

sort()

index(item)

reverse()

extend(list)

remove(item)

count(item)

pop(position)

append(item)

**Python String Methods**

**Python String Methods (cont)**

**Python File Methods**

**Python Indexes and Slices**

**Python Datetime Methods**

utcfromtimestamp(timestamp)

fromtimestamp(timestamp)

strptime(date, format)

utcnow()

now(timezoneinfo) combine(date, time)

fromordinal(ordinal)

today()

|  |  |
| --- | --- |
| 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 |

|  |  |
| --- | --- |
| 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) | |

|  |  |
| --- | --- |
| istitle() \* | title() \* |
| isupper() \* | translate(table) |
| join() | upper() \* |
| ljust(width) | zfill(width) |
| lower() \* | |
| Methods marked \* are locale dependant for 8-bit strings. | |

|  |  |
| --- | --- |
| close() | readlines(size) |
| flush() | seek(offset) |
| fileno() | tell() |
| isatty() | truncate(size) |
| next() | write(string) |
| read(size) | writelines(list) |
| readline(size) | |

|  |  |
| --- | --- |
| sys.argv[0] | foo.py |
| sys.argv[1] | bar |
| sys.argv[2] | -c |
| sys.argv[3] | qux |
| sys.argv[4] | --h |
| sys.argv for the command:  $ python foo.py bar -c qux --h | |

|  |  |
| --- | --- |
| 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 |
| Indexes and Slices of a=[0,1,2,3,4,5] | |

|  |  |
| --- | --- |
| capitalize() \* | lstrip() |
| center(width) | partition(sep) |
| count(sub, start, end) | replace(old, new) |
| decode() | rfind(sub, start ,end) |
| encode() | rindex(sub, start, end) |
| endswith(sub) | rjust(width) |
| expandtabs() | rpartition(sep) |
| find(sub, start, end) | rsplit(sep) |
| index(sub, start, end) | rstrip() |
| isalnum() \* | split(sep) |
| isalpha() \* | splitlines() |
| isdigit() \* | startswith(sub) |
| islower() \* | strip() |
| isspace() \* | swapcase() \* |

|  |  |
| --- | --- |
| 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 |
| Registered OS names: "posix", "nt", "mac", "os2", "ce", "java", "riscos" | |

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|  |
| --- |
| replace() utcoffset() |
| isoformat() dst() |
| str () tzname() |
| strftime(format) |

|  |  |
| --- | --- |
| %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 61⁴) |
| %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 (%) |
| ¹ Sunday as start of week. All days in a new year preceding the first Sunday are considered to be in week 0.  ² 0 is Sunday, 6 is Saturday.  ³ Monday as start of week. All days in a new year preceding the first Monday are considered to be in week 0.  ⁴ This is not a mistake. Range takes account of leap and double-  leap seconds. | |

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**Python Time Methods**

**Python Date Formatting**

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