Python » English Documentation » 3.9.1 Quick search Go | modules | index Python Module Index  $\_|a|b|c|d|e|f|g|h|i|j|k|l|m|n|o|p|q|r|s|t|u|v|w|x|z$ Future statement definitions future The environment where the top-level script is run. main \_thread Low-level threading API. а Abstract base classes according to :pep:`3119`. abc Read and write audio files in AIFF or AIFC format. aifc Command-line option and argument parsing library. argparse Space efficient arrays of uniformly typed numeric values. array Abstract Syntax Tree classes and manipulation. ast Support for asynchronous command/response protocols. asynchat Asynchronous I/O. asyncio A base class for developing asynchronous socket handling services. asyncore Register and execute cleanup functions. atexit Manipulate raw audio data. audioop RFC 3548: Base16, Base32, Base64 Data Encodings; Base85 and Ascii85 base64 Debugger framework. bdb Tools for converting between binary and various ASCII-encoded binary binascii representations. Encode and decode files in binhex4 format. binhex Array bisection algorithms for binary searching. bisect The module that provides the built-in namespace. builtins Interfaces for bzip2 compression and decompression. bz2 Functions for working with calendars, including some emulation of the Unix cal calendar program. Helpers for running Python scripts via the Common Gateway Interface. cgi Configurable traceback handler for CGI scripts. cgitb Module to read IFF chunks. chunk Mathematical functions for complex numbers. cmath Build line-oriented command interpreters. cmd Facilities to implement read-eval-print loops. code Encode and decode data and streams. codecs Compile (possibly incomplete) Python code. codeop Container datatypes # collections Conversion functions between RGB and other color systems. colorsys Tools for byte-compiling all Python source files in a directory tree. compileall # concurrent Configuration file parser. configparser Utilities for with-statement contexts. contextlib Context Variables contextvars Shallow and deep copy operations. сору Register pickle support functions. copyreg cProfile crypt (Unix) The crypt() function used to check Unix passwords. Write and read tabular data to and from delimited files. CSV A foreign function library for Python. ctypes An interface to the curses library, providing portable terminal handling. □ curses (Unix) Generate special methods on user-defined classes. dataclasses Basic date and time types. datetime Interfaces to various Unix "database" formats. + dbm Implementation of the General Decimal Arithmetic Specification. decimal Helpers for computing differences between objects. difflib Disassembler for Python bytecode. dis Support for building and installing Python modules into an existing Python distutils installation. Test pieces of code within docstrings. doctest е Package supporting the parsing, manipulating, and generating email messages. # email encodings Bootstrapping the "pip" installer into an existing Python installation or virtual ensurepip environment. Implementation of an enumeration class. enum Standard errno system symbols. errno Dump the Python traceback. faulthandler fcntl (Unix) The fcntl() and ioctl() system calls. Compare files efficiently. filecmp Loop over standard input or a list of files. fileinput Unix shell style filename pattern matching. fnmatch Deprecated: Generic output formatter and device interface. formatter Rational numbers. fractions FTP protocol client (requires sockets). ftplib Higher-order functions and operations on callable objects. functools Interface to the cycle-detecting garbage collector. Portable parser for command line options; support both short and long option getopt names. Portable reading of passwords and retrieval of the userid. getpass Multilingual internationalization services. gettext Unix shell style pathname pattern expansion. glob Functionality to operate with graph-like structures graphlib The group database (getgrnam() and friends). grp (Unix) Interfaces for gzip compression and decompression using file objects. gzip h Secure hash and message digest algorithms. hashlib Heap queue algorithm (a.k.a. priority queue). heapq Keyed-Hashing for Message Authentication (HMAC) implementation hmac Helpers for manipulating HTML. + html HTTP status codes and messages # http IMAP4 protocol client (requires sockets). imaplib Determine the type of image contained in a file or byte stream. imghdr **Deprecated:** Access the implementation of the import statement. imp The implementation of the import machinery. # importlib Extract information and source code from live objects. inspect Core tools for working with streams. io IPv4/IPv6 manipulation library. ipaddress Functions creating iterators for efficient looping. itertools Encode and decode the JSON format. # json Test whether a string is a keyword in Python. keyword The 2to3 library lib2to3 Provides random access to individual lines from text files. linecache Internationalization services. locale Flexible event logging system for applications. H logging A Python wrapper for the liblzma compression library. lzma m Manipulate mailboxes in various formats mailbox Mailcap file handling. mailcap Convert Python objects to streams of bytes and back (with different constraints). marshal Mathematical functions (sin() etc.). math Mapping of filename extensions to MIME types. mimetypes Interface to memory-mapped files for Unix and Windows. mmap Find modules used by a script. modulefinder msilib (Windows) Creation of Microsoft Installer files, and CAB files. Miscellaneous useful routines from the MS VC++ runtime. msvcrt (Windows) Process-based parallelism. multiprocessing n Loading of .netrc files. netrc Interface to Sun's NIS (Yellow Pages) library. nis (Unix) NNTP protocol client (requires sockets). nntplib Numeric abstract base classes (Complex, Real, Integral, etc.). numbers Functions corresponding to the standard operators. operator **Deprecated:** Command-line option parsing library. optparse Miscellaneous operating system interfaces. Access to OSS-compatible audio devices. ossaudiodev (Linux, FreeBSD) Access parse trees for Python source code. parser Object-oriented filesystem paths pathlib The Python debugger for interactive interpreters. pdb Convert Python objects to streams of bytes and back. pickle Contains extensive comments about the pickle protocols and pickle-machine pickletools opcodes, as well as some useful functions. A Python interface to Unix shell pipelines. pipes (Unix) Utilities for the import system. pkgutil Retrieves as much platform identifying data as possible. platform Generate and parse Apple plist files. plistlib POP3 protocol client (requires sockets). poplib The most common POSIX system calls (normally used via module os). posix (Unix) Data pretty printer. pprint Python source profiler. profile Statistics object for use with the profiler. pstats pty (Linux) Pseudo-Terminal Handling for Linux. pwd (Unix) The password database (getpwnam() and friends). Generate byte-code files from Python source files. py compile Supports information extraction for a Python module browser. pyclbr Documentation generator and online help system. pydoc A synchronized queue class. queue Encode and decode files using the MIME quoted-printable encoding. quopri Generate pseudo-random numbers with various common distributions. random Regular expression operations. re GNU readline support for Python. readline (Unix) Alternate repr() implementation with size limits. reprlib An interface to provide resource usage information on the current process. resource (Unix) Python identifier completion, suitable for the GNU readline library. rlcompleter Locate and run Python modules without importing them first. runpy General purpose event scheduler. sched Generate secure random numbers for managing secrets. secrets Wait for I/O completion on multiple streams. select High-level I/O multiplexing. selectors Python object persistence. shelve Simple lexical analysis for Unix shell-like languages. shlex High-level file operations, including copying. shutil Set handlers for asynchronous events. signal Module responsible for site-specific configuration. site A SMTP server implementation in Python. smtpd SMTP protocol client (requires sockets). smtplib Determine type of a sound file. sndhdr Low-level networking interface. socket A framework for network servers. socketserver The shadow password database (getspnam() and friends). spwd (Unix) A DB-API 2.0 implementation using SQLite 3.x. sqlite3 TLS/SSL wrapper for socket objects ssl Utilities for interpreting the results of os.stat(), os.lstat() and os.fstat(). stat Mathematical statistics functions statistics Common string operations. string String preparation, as per RFC 3453 stringprep Interpret bytes as packed binary data. struct Subprocess management. subprocess Provide an interface to the Sun AU sound format. sunau Constants representing internal nodes of the parse tree. symbol Interface to the compiler's internal symbol tables. symtable Access system-specific parameters and functions. sys Python's configuration information sysconfig syslog (Unix) An interface to the Unix syslog library routines. Tool for detecting white space related problems in Python source files in a tabnanny directory tree. Read and write tar-format archive files. tarfile Telnet client class. telnetlib Generate temporary files and directories. tempfile POSIX style tty control. termios (Unix) Regression tests package containing the testing suite for Python. # test Text wrapping and filling textwrap Thread-based parallelism. threading Time access and conversions. time Measure the execution time of small code snippets. timeit Interface to TcI/Tk for graphical user interfaces # tkinter Constants representing terminal nodes of the parse tree. token Lexical scanner for Python source code. tokenize Trace or track Python statement execution. trace Print or retrieve a stack traceback. traceback tracemalloc Trace memory allocations. Utility functions that perform common terminal control operations. tty (Unix) An educational framework for simple graphics applications turtle A viewer for example turtle scripts turtledemo Names for built-in types. types Support for type hints (see :pep:`484`). typing Access the Unicode Database. unicodedata Unit testing framework for Python. unittest # urllib Encode and decode files in uuencode format. uu UUID objects (universally unique identifiers) according to RFC 4122 uuid Creation of virtual environments. venv Issue warning messages and control their disposition. warnings Provide an interface to the WAV sound format. wave Support for weak references and weak dictionaries. weakref Easy-to-use controller for Web browsers. webbrowser winreg (Windows) Routines and objects for manipulating the Windows registry. Access to the sound-playing machinery for Windows. winsound (Windows) WSGI Utilities and Reference Implementation. ■ wsgiref Х Encoders and decoders for the External Data Representation (XDR). xdrlib Package containing XML processing modules + xml # xmlrpc Z Manage executable Python zip archives zipapp Read and write ZIP-format archive files. zipfile Support for importing Python modules from ZIP archives. zipimport Low-level interface to compression and decompression routines compatible with zlib gzip. IANA time zone support zoneinfo Go | modules | index Python » 3.9.1 Documentation » Quick search © Copyright 2001-2020, Python Software Foundation. The Python Software Foundation is a non-profit corporation. Please donate. Last updated on Dec 25, 2020. Found a bug?