Section 3p : POSIX Functions

Man pages in this section

a64l	convert between a 32-bit integer and a radix-64 ASCII string
abort	generate an abnormal process abort
abs	return an integer absolute value
accept	accept a new connection on a socket
access	determine accessibility of a file descriptor
acos	arc cosine functions
acosh	inverse hyperbolic cosine functions
acosl	arc cosine functions
aio_cancel	cancel an asynchronous I/O request
aio_error	retrieve errors status for an asynchronous I/O operation
aio_fsync	asynchronous file synchronization
aio_read	asynchronous read from a file
aio_return	retrieve return status of an asynchronous I/O operation
aio_suspend	wait for an asynchronous I/O request
aio_write	asynchronous write to a file
alarm	schedule an alarm signal
alphasort	scan a directory

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asin	arc sine function
asinh	inverse hyperbolic sine functions
asinl	arc sine function
assert	insert program diagnostics
atan	arc tangent function
atan2	arc tangent functions
atanf	arc tangent function
atanh	inverse hyperbolic tangent functions
atanl	arc tangent function
atexit	register a function to run at process termination
atof	convert a string to a double-precision number
atoi	convert a string to an integer
atol	convert a string to a long integer
basename	return the last component of a pathname
bind	bind a name to a socket
bsearch	binary search a sorted table
btowc	single byte to wide character conversion
cabs	return a complex absolute value
cacos	complex arc cosine functions
cacosh	complex arc hyperbolic cosine functions
cacosl	complex arc cosine functions
calloc	a memory allocator

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casin	complex arc sine functions
casinh	complex arc hyperbolic sine functions
casinl	complex arc sine functions
catan	complex arc tangent functions
catanh	complex arc hyperbolic tangent functions
catanl	complex arc tangent functions
catclose	close a message catalog descriptor
catgets	read a program message
catopen	open a message catalog
cbrt	cube root functions
ccos	complex cosine functions
ccosh	complex hyperbolic cosine functions
ccosl	complex cosine functions
ceil	ceiling value function
cexp	complex exponential functions
cfgetispeed	get input baud rate
cfgetospeed	get output baud rate
cfsetispeed	set input baud rate
cfsetospeed	set output baud rate
chdir	change working directory
chmod	change mode of a file
chown	change owner and group of a file

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clearerr	clear indicators on a stream
clock	report CPU time used
clock_getcpuclockid	access a process CPU-time clock (ADVANCED REALTIME)
clock_getres	clock and timer functions
clock_nanosleep	high resolution sleep with specifiable clock
clock_settime	clock and timer functions
clog	complex natural logarithm functions
close	close a file descriptor
closedir	close a directory stream
closelog	control system log
confstr	get configurable variables
conj	complex conjugate functions
connect	connect a socket
copysign	number manipulation function
cos	cosine function
cosh	hyperbolic cosine functions
cosl	cosine function
cpow	complex power functions
cproj	complex projection functions
creal	complex real functions
creat	create a new file or rewrite an existing one
crypt	string encoding function (CRYPT)

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csinh	complex hyperbolic sine functions
csinl	complex sine functions
csqrt	complex square root functions
ctan	complex tangent functions
ctanh	complex hyperbolic tangent functions
ctanl	complex tangent functions
ctermid	generate a pathname for the controlling terminal
ctime	convert a time value to a date and time string
daylight	daylight savings time flag
dbm_clearerr	database functions
difftime	compute the difference between two calendar time values
dirfd	extract the file descriptor used by a DIR stream
dirname	report the parent directory name of a file pathname
div	compute the quotient and remainder of an integer division
dlclose	close a symbol table handle
dlerror	get diagnostic information
dlopen	open a symbol table handle
dlsym	get the address of a symbol from a symbol table handle
dprintf	print formatted output
drand48	generate uniformly distributed pseudo-random numbers

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duplocale	duplicate a locale object
encrypt	encoding function (CRYPT)
endgrent	group database entry functions
endhostent	network host database functions
endnetent	network database functions
endprotoent	network protocol database functions
endpwent	user database functions
endservent	network services database functions
endutxent	user accounting database functions
environ	array of character pointers to the environment strings
erand48	generate uniformly distributed pseudo-random numbers
erf	error functions
erfc	complementary error functions
erff	error functions
errno	error return value
exec	execute a file
_Exit	terminate a process
exit	terminate a process
exp	exponential function
exp2	exponential base 2 functions
expm1	compute exponential functions

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faccessat	determine accessibility of a file relative to directory file descriptor
fattach	attach a STREAMS-based file descriptor to a file in the file system name space (STREAMS)
fchdir	change working directory
fchmod	change mode of a file
fchmodat	change mode of a file relative to directory file descriptor
fchown	change owner and group of a file
fchownat	change owner and group of a file relative to directory file descriptor
fclose	close a stream
fcntl	file control
fdatasync	synchronize the data of a file (REALTIME)
FD_CLR	macros for synchronous I/O multiplexing
fdetach	detach a name from a STREAMS-based file descriptor (STREAMS)
fdim	compute positive difference between two floating-point numbers
fdopen	associate a stream with a file descriptor
fdopendir	open directory associated with file descriptor
feclearexcept	clear floating-point exception
fegetenv	get and set current floating-point environment
fegetexceptflag	get and set floating-point status flags
fegetround	get and set current rounding direction
feholdexcept	save current floating-point environment

feraiseexcept	raise floating-point exception
ferror	test error indicator on a stream
fesetenv	set current floating-point environment
fesetexceptflag	set floating-point status flags
fesetround	set current rounding direction
fetestexcept	test floating-point exception flags
feupdateenv	update floating-point environment
fexecve	execute a file
fflush	flush a stream
ffs	find first set bit
fgetc	get a byte from a stream
fgetpos	get current file position information
fgets	get a string from a stream
fgetwc	get a wide-character code from a stream
fgetws	get a wide-character string from a stream
fileno	map a stream pointer to a file descriptor
flockfile	stdio locking functions
floor	floor function
fma	floating-point multiply-add
fmax	determine maximum numeric value of two floating-point numbers
fmemopen	open a memory buffer stream

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fmod	floating-point remainder value function
fmtmsg	display a message in the specified format on standard error and/or a system console
fnmatch	match a filename string or a pathname
fopen	open a stream
fork	create a new process
fpathconf	get configurable pathname variables
fpclassify	classify real floating type
fprintf	print formatted output
fputc	put a byte on a stream
fputs	put a string on a stream
fputwc	put a wide-character code on a stream
fputws	put a wide-character string on a stream
fread	binary input
free	free allocated memory
freeaddrinfo	get address information
freelocale	free resources allocated for a locale object
freopen	open a stream
frexp	extract mantissa and exponent from a double precision number
fscanf	convert formatted input
fseek	reposition a file-position indicator in a stream
fsetpos	set current file position

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fstatat	get file status
fstatvfs	get file system information
fsync	synchronize changes to a file
ftell	return a file offset in a stream
ftok	generate an IPC key
ftruncate	truncate a file to a specified length
ftrylockfile	stdio locking functions
ftw	traverse (walk) a file tree
funlockfile	stdio locking functions
futimens	set file access and modification times
fwide	set stream orientation
fwprintf	print formatted wide-character output
fwrite	binary output
fwscanf	convert formatted wide-character input
gai_strerror	address and name information error description
getaddrinfo	get address information
getc	get a byte from a stream
getchar	get a byte from a stdin stream
getchar_unlocked	stdio with explicit client locking
getc_unlocked	stdio with explicit client locking
getcwd	get the pathname of the current working directory
getdate	convert user format date and time

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getegid	get the effective group ID
getenv	get value of an environment variable
geteuid	get the effective user ID
getgid	get the real group ID
getgrent	get the group database entry
getgrgid	get group database entry for a group ID
getgrnam	search group database for a name
getgroups	get supplementary group IDs
gethostent	network host database functions
gethostid	get an identifier for the current host
gethostname	get name of current host
getitimer	get and set value of interval timer
getline	read a delimited record from stream
getlogin	get login name
getmsg	receive next message from a STREAMS file (STREAMS)
getnameinfo	get name information
getnetbyaddr	network database functions
getopt	command option parsing
getpeername	get the name of the peer socket
getpgid	get the process group ID for a process
getpgrp	get the process group ID of the calling process
getpid	get the process ID

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getppid	get the parent process ID
getpriority	get and set the nice value
getprotobyname	network protocol database functions
getpwent	get user database entry
getpwnam	search user database for a name
getpwuid	search user database for a user ID
getrlimit	control maximum resource consumption
getrusage	get information about resource utilization
gets	get a string from a stdin stream
getservbyname	network services database functions
getsid	get the process group ID of a session leader
getsockname	get the socket name
getsockopt	get the socket options
getsubopt	parse suboption arguments from a string
gettimeofday	get the date and time
getuid	get a real user ID
getutxent	get user accounting database entries
getwc	get a wide character from a stream
getwchar	get a wide character from a stdin stream
glob	generate pathnames matching a pattern
gmtime	convert a time value to a broken-down UTC time
grantpt	grant access to the slave pseudo-terminal device

htonl	convert values between host and network byte order
hypot	Euclidean distance function
iconv	codeset conversion function
iconv_close	codeset conversion deallocation function
iconv_open	codeset conversion allocation function
if_freenameindex	free memory allocated by if_nameindex
if_indextoname	map a network interface index to its corresponding name
if_nameindex	return all network interface names and indexes
if_nametoindex	map a network interface name to its corresponding index
ilogb	return an unbiased exponent
imaxabs	return absolute value
imaxdiv	return quotient and remainder
inet_addr	IPv4 address manipulation
inet_ntop	convert IPv4 and IPv6 addresses between binary and text form
initstate	pseudo-random number functions
insque	insert or remove an element in a queue
ioctl	control a STREAMS device (STREAMS)
isalnum	test for an alphanumeric character
isalpha	test for an alphabetic character
isascii	test for a 7-bit US-ASCII character
isastream	test a file descriptor (STREAMS)

isblank	test for a blank character
iscntrl	test for a control character
isdigit	test for a decimal digit
isfinite	test for finite value
isgraph	test for a visible character
isgreater	test if x greater than y
isgreaterequal	test if x is greater than or equal to y
isinf	test for infinity
isless	test if x is less than y
islessequal	test if x is less than or equal to y
islessgreater	test if x is less than or greater than y
islower	test for a lowercase letter
isnan	test for a NaN
isnormal	test for a normal value
isprint	test for a printable character
ispunct	test for a punctuation character
isspace	test for a white-space character
isunordered	test if arguments are unordered
isupper	test for an uppercase letter
iswalnum	test for an alphanumeric wide-character code
iswalpha	test for an alphabetic wide-character code
iswblank	test for a blank wide-character code

iswctype	test character for a specified class
iswdigit	test for a decimal digit wide-character code
iswgraph	test for a visible wide-character code
iswlower	test for a lowercase letter wide-character code
iswprint	test for a printable wide-character code
iswpunct	test for a punctuation wide-character code
iswspace	test for a white-space wide-character code
iswupper	test for an uppercase letter wide-character code
iswxdigit	test for a hexadecimal digit wide-character code
isxdigit	test for a hexadecimal digit
j0	Bessel functions of the first kind
jrand48	generate a uniformly distributed pseudo-random long signed integer
kill	send a signal to a process or a group of processes
killpg	send a signal to a process group
l64a	convert a 32-bit integer to a radix-64 ASCII string
labs	return a long integer absolute value
lchown	change the owner and group of a symbolic link
lcong48	seed a uniformly distributed pseudo-random signed long integer generator
ldexp	load exponent of a floating-point number
ldiv	compute quotient and remainder of a long division
lfind	find entry in a linear search table

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link	link one file to another file
lio_listio	list directed I/O
listen	listen for socket connections and limit the queue of incoming connections
llabs	return a long integer absolute value
lldiv	compute quotient and remainder of a long division
llrint	round to the nearest integer value using current rounding direction
llround	round to nearest integer value
localeconv	return locale-specific information
localtime	convert a time value to a broken-down local time
lockf	record locking on files
log	natural logarithm function
log10	base 10 logarithm function
log1p	compute a natural logarithm
log2	compute base 2 logarithm functions
logb	radix-independent exponent
logf	natural logarithm function
_longjmp	non-local goto
longjmp	non-local goto
lrand48	generate uniformly distributed pseudo-random non-negative long integers
lrint	round to nearest integer value using current rounding direction

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lsearch	linear search and update
lseek	move the read/write file offset
lstat	get file status
malloc	a memory allocator
mblen	get number of bytes in a character
mbrlen	get number of bytes in a character (restartable)
mbrtowc	convert a character to a wide-character code (restartable)
mbsinit	determine conversion object status
mbsrtowcs	convert a character string to a wide-character string (restartable)
mbstowcs	convert a character string to a wide-character string
mbtowc	convert a character to a wide-character code
memccpy	copy bytes in memory
memchr	find byte in memory
memcmp	compare bytes in memory
memcpy	copy bytes in memory
memmove	copy bytes in memory with overlapping areas
memset	set bytes in memory
mkdir	make a directory
mkdtemp	create a unique directory or file
mkfifo	make a FIFO special file
mknod	make directory, special file, or regular file

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mktime	convert broken-down time into time since the Epoch
mlock	lock or unlock a range of process address space (REALTIME)
mlockall	lock/unlock the address space of a process (REALTIME)
mmap	map pages of memory
modf	decompose a floating-point number
mprotect	set protection of memory mapping
mq_close	close a message queue (REALTIME)
mq_getattr	get message queue attributes (REALTIME)
mq_notify	notify process that a message is available (REALTIME)
mq_open	open a message queue (REALTIME)
mq_receive	receive a message from a message queue (REALTIME)
mq_send	send a message to a message queue (REALTIME)
mq_setattr	set message queue attributes (REALTIME)
mq_timedreceive	receive a message from a message queue (ADVANCED REALTIME)
mq_timedsend	send a message to a message queue (ADVANCED REALTIME)
mq_unlink	remove a message queue (REALTIME)
mrand48	generate uniformly distributed pseudo-random signed long integers
msgctl	XSI message control operations
msgget	get the XSI message queue identifier
msgrcv	XSI message receive operation

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msync	synchronize memory with physical storage
munlock	unlock a range of process address space
munlockall	unlock the address space of a process
munmap	unmap pages of memory
nan	return quiet NaN
nanosleep	high resolution sleep
nearbyint	floating-point rounding functions
newlocale	create or modify a locale object
nextafter	next representable floating-point number
nftw	walk a file tree
nice	change the nice value of a process
nl_langinfo	language information
nrand48	generate uniformly distributed pseudo-random non-negative long integers
ntohl	convert values between host and network byte order
open	open file
openat	open file relative to directory file descriptor
opendir	open directory associated with file descriptor
openlog	open a connection to the logging facility
open_memstream	open a dynamic memory buffer stream
optarg	options parsing variables
pathconf	get configurable pathname variables

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pclose	close a pipe stream to or from a process
perror	write error messages to standard error
pipe	create an interprocess channel
poll	input/output multiplexing
popen	initiate pipe streams to or from a process
posix_fadvise	file advisory information (ADVANCED REALTIME)
posix_fallocate	file space control (ADVANCED REALTIME)
posix_madvise	memory advisory information and alignment control (ADVANCED REALTIME)
posix_memalign	aligned memory allocation (ADVANCED REALTIME)
posix_mem_offset	find offset and length of a mapped typed memory block (ADVANCED REALTIME)
posix_openpt	open a pseudo-terminal device
posix_spawn	spawn a process (ADVANCED REALTIME)
posix_spawnattr_destroy	destroy and initialize spawn attributes object (ADVANCED REALTIME)
posix_spawnattr_getflags	get and set the spawn-flags attribute of a spawn attributes object (ADVANCED REALTIME)
posix_spawnattr_getpgroup	get and set the spawn-pgroup attribute of a spawn attributes object (ADVANCED REALTIME)
posix_spawnattr_getschedparam	get and set the spawn-schedparam attribute of a spawn attributes object (ADVANCED REALTIME)
posix_spawnattr_getschedpolicy	get and set the spawn-schedpolicy attribute of a spawn attributes object (ADVANCED REALTIME)
posix_spawnattr_getsigdefault	get and set the spawn-sigdefault attribute of a spawn attributes object (ADVANCED REALTIME)
	get and set the spawn-sigmask attribute of a spawn

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posix_spawnattr_init	initialize the spawn attributes object (ADVANCED REALTIME)
posix_spawnattr_setflags	set the spawn-flags attribute of a spawn attributes object (ADVANCED REALTIME)
posix_spawnattr_setpgroup	set the spawn-pgroup attribute of a spawn attributes object (ADVANCED REALTIME)
posix_spawnattr_setschedparam	set the spawn-schedparam attribute of a spawn attributes object (ADVANCED REALTIME)
posix_spawnattr_setschedpolicy	set the spawn-schedpolicy attribute of a spawn attributes object (ADVANCED REALTIME)
posix_spawnattr_setsigdefault	set the spawn-sigdefault attribute of a spawn attributes object (ADVANCED REALTIME)
posix_spawnattr_setsigmask	set the spawn-sigmask attribute of a spawn attributes object (ADVANCED REALTIME)
posix_spawn_file_actions_addclose	add close or open action to spawn file actions object (ADVANCED REALTIME)
posix_spawn_file_actions_adddup2	add dup2 action to spawn file actions object (ADVANCED REALTIME)
posix_spawn_file_actions_addopen	add open action to spawn file actions object (ADVANCED REALTIME)
posix_spawn_file_actions_destroy	destroy and initialize spawn file actions object (ADVANCED REALTIME)
posix_spawnp	spawn a process (ADVANCED REALTIME)
posix_trace_attr_destroy	destroy and initialize the trace stream attributes object (TRACING)
posix_trace_attr_getclockres	retrieve and set information about a trace stream (TRACING)
posix_trace_attr_getinherited	retrieve and set the behavior of a trace stream (TRACING)
posix_trace_attr_getlogsize	retrieve and set trace stream size attributes (TRACING)

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(TRACING)

posix_trace_attr_getstreamfullpolicy	retrieve and set the behavior of a trace stream (TRACING)
posix_trace_attr_getstreamsize	retrieve and set trace stream size attributes (TRACING)
posix_trace_attr_init	initialize the trace stream attributes object (TRACING)
posix_trace_attr_setinherited	retrieve and set the behavior of a trace stream (TRACING)
posix_trace_attr_setlogsize	retrieve and set trace stream size attributes (TRACING)
posix_trace_attr_setname	retrieve and set information about a trace stream (TRACING)
posix_trace_attr_setstreamfullpolicy	retrieve and set the behavior of a trace stream (TRACING)
posix_trace_attr_setstreamsize	retrieve and set trace stream size attributes (TRACING)
posix_trace_clear	clear trace stream and trace log (TRACING)
posix_trace_close	trace log management (TRACING)
posix_trace_create	trace stream initialization, flush, and shutdown from a process (TRACING)
posix_trace_event	trace functions for instrumenting application code (TRACING)
posix_trace_eventid_equal	manipulate the trace event type identifier (TRACING)
posix_trace_eventid_open	trace functions for instrumenting application code (TRACING)
posix_trace_eventset_add	manipulate trace event type sets (TRACING)
posix_trace_eventtypelist_getnext_id	iterate over a mapping of trace event types (TRACING)

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posix_trace_get_attr	retrieve the trace attributes or trace status (TRACING)
posix_trace_get_filter	retrieve and set the filter of an initialized trace stream (TRACING)
posix_trace_getnext_event	retrieve a trace event (TRACING)
posix_trace_get_status	retrieve the trace status (TRACING)
posix_trace_open	trace log management (TRACING)
posix_trace_set_filter	set filter of an initialized trace stream (TRACING)
posix_trace_shutdown	trace stream shutdown from a process (TRACING)
posix_trace_start	trace start and stop (TRACING)
posix_trace_timedgetnext_event	retrieve a trace event (TRACING)
posix_trace_trid_eventid_open	open a trace event type identifier (TRACING)
posix_trace_trygetnext_event	retrieve a trace event (TRACING)
posix_typed_mem_get_info	query typed memory information (ADVANCED REALTIME)
posix_typed_mem_open	open a typed memory object (ADVANCED REALTIME)
pow	power function
pread	read from a file
printf	print formatted output
pselect	synchronous I/O multiplexing
psiginfo	write signal information to standard error
pthread_atfork	register fork handlers
pthread_attr_destroy	destroy and initialize the thread attributes object

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pthread_attr_getguardsize	get and set the thread guardsize attribute
pthread_attr_getinheritsched	get and set the inheritsched attribute (REALTIME THREADS)
pthread_attr_getschedparam	get and set the schedparam attribute
pthread_attr_getschedpolicy	get and set the schedpolicy attribute (REALTIME THREADS)
pthread_attr_getscope	get and set the contentionscope attribute (REALTIME THREADS)
pthread_attr_getstack	get and set stack attributes
pthread_attr_getstacksize	get and set the stacksize attribute
pthread_attr_init	initialize the thread attributes object
pthread_attr_setdetachstate	set the detachstate attribute
pthread_attr_setguardsize	set the thread guardsize attribute
pthread_attr_setinheritsched	set the inheritsched attribute (REALTIME THREADS)
pthread_attr_setschedparam	set the schedparam attribute
pthread_attr_setschedpolicy	set the schedpolicy attribute (REALTIME THREADS)
pthread_attr_setscope	set the contentionscope attribute (REALTIME THREADS)
pthread_attr_setstack	set the stack attribute
pthread_attr_setstacksize	set the stacksize attribute
pthread_barrierattr_destroy	destroy and initialize the barrier attributes object
pthread_barrierattr_getpshared	get and set the process-shared attribute of the barrier attributes object
pthread_barrierattr_init	initialize the barrier attributes object

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pthread_barrier_destroy	destroy and initialize a barrier object
pthread_barrier_wait	synchronize at a barrier
pthread_cancel	cancel execution of a thread
pthread_cleanup_pop	establish cancellation handlers
pthread_condattr_destroy	destroy and initialize the condition variable attributes object
pthread_condattr_getclock	get and set the clock selection condition variable attribute
pthread_condattr_getpshared	get and set the process-shared condition variable attributes
pthread_condattr_init	initialize the condition variable attributes object
pthread_condattr_setclock	set the clock selection condition variable attribute
pthread_condattr_setpshared	set the process-shared condition variable attribute
pthread_cond_broadcast	broadcast or signal a condition
pthread_cond_destroy	destroy and initialize condition variables
pthread_cond_signal	signal a condition
pthread_cond_timedwait	wait on a condition
pthread_create	thread creation
pthread_detach	detach a thread
pthread_equal	compare thread IDs
pthread_exit	thread termination
pthread_getconcurrency	get and set the level of concurrency

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pthread_getschedparam	dynamic thread scheduling parameters access (REALTIME THREADS)
pthread_getspecific	thread-specific data management
pthread_join	wait for thread termination
pthread_key_create	thread-specific data key creation
pthread_key_delete	thread-specific data key deletion
pthread_kill	send a signal to a thread
pthread_mutexattr_destroy	destroy and initialize the mutex attributes object
pthread_mutexattr_getprioceiling	get and set the prioceiling attribute of the mutex attributes object (REALTIME THREADS)
pthread_mutexattr_getprotocol	get and set the protocol attribute of the mutex attributes object (REALTIME THREADS)
pthread_mutexattr_getpshared	get and set the process-shared attribute
pthread_mutexattr_getrobust	get and set the mutex robust attribute
pthread_mutexattr_gettype	get and set the mutex type attribute
pthread_mutexattr_init	initialize the mutex attributes object
pthread_mutexattr_setprioceiling	set the prioceiling attribute of the mutex attributes object (REALTIME THREADS)
pthread_mutexattr_setprotocol	set the protocol attribute of the mutex attributes object (REALTIME THREADS)
pthread_mutexattr_setpshared	set the process-shared attribute
pthread_mutexattr_setrobust	get and set the mutex robust attribute
pthread_mutexattr_settype	set the mutex type attribute
pthread_mutex_consistent	mark state protected by robust mutex as consistent
pthread_mutex_destroy	destroy and initialize a mutex

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pthread_mutex_init	destroy and initialize a mutex
pthread_mutex_lock	lock and unlock a mutex
pthread_mutex_setprioceiling	change the priority ceiling of a mutex (REALTIME THREADS)
pthread_mutex_timedlock	lock a mutex
pthread_mutex_trylock	lock and unlock a mutex
pthread_once	dynamic package initialization
pthread_rwlockattr_destroy	destroy and initialize the read-write lock attributes object
pthread_rwlockattr_getpshared	get and set the process-shared attribute of the read-write lock attributes object
pthread_rwlockattr_init	initialize the read-write lock attributes object
pthread_rwlockattr_setpshared	set the process-shared attribute of the read-write lock attributes object
pthread_rwlock_destroy	destroy and initialize a read-write lock object
pthread_rwlock_rdlock	lock a read-write lock object for reading
pthread_rwlock_timedrdlock	lock a read-write lock for reading
pthread_rwlock_timedwrlock	lock a read-write lock for writing
pthread_rwlock_tryrdlock	lock a read-write lock object for reading
pthread_rwlock_trywrlock	lock a read-write lock object for writing
pthread_rwlock_unlock	unlock a read-write lock object
pthread_rwlock_wrlock	lock a read-write lock object for writing
pthread_self	get the calling thread ID
pthread_setcancelstate	set cancelability state

pthread_setschedparam	dynamic thread scheduling parameters access (REALTIME THREADS)
pthread_setschedprio	dynamic thread scheduling parameters access (REALTIME THREADS)
pthread_setspecific	thread-specific data management
pthread_sigmask	examine and change blocked signals
pthread_spin_destroy	destroy or initialize a spin lock object
pthread_spin_lock	lock a spin lock object
pthread_spin_unlock	unlock a spin lock object
pthread_testcancel	set cancelability state
ptsname	get name of the slave pseudo-terminal device
putc	put a byte on a stream
putchar	put a byte on a stdout stream
putchar_unlocked	stdio with explicit client locking
putc_unlocked	stdio with explicit client locking
putenv	change or add a value to an environment
putmsg	send a message on a STREAM (STREAMS)
puts	put a string on standard output
pututxline	put an entry into the user accounting database
putwc	put a wide character on a stream
putwchar	put a wide character on a stdout stream
pwrite	write on a file
qsort	sort a table of data

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rand	pseudo-random number generator
random	generate pseudo-random number
read	read from a file
readdir	read a directory
readlink	read the contents of a symbolic link
readv	read a vector
realloc	memory reallocator
realpath	resolve a pathname
recv	receive a message from a connected socket
recvfrom	receive a message from a socket
recvmsg	receive a message from a socket
regcomp	regular expression matching
remainder	remainder function
remove	remove a file
remque	remove an element from a queue
remquo	remainder functions
rename	rename file
rewind	reset the file position indicator in a stream
rewinddir	reset the position of a directory stream to the beginning of a directory
rint	round-to-nearest integral value
rmdir	remove a directory
round	round to the nearest integer value in a floating-

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scalbln	compute exponent using FLT_RADIX
scandir	scan a directory
scanf	convert formatted input
sched_getparam	get scheduling parameters (REALTIME)
sched_get_priority_max	get priority limits (REALTIME)
sched_getscheduler	get scheduling policy (REALTIME)
sched_rr_get_interval	get execution time limits (REALTIME)
sched_setparam	set scheduling parameters (REALTIME)
sched_setscheduler	set scheduling policy and parameters (REALTIME)
sched_yield	yield the processor
seed48	seed a uniformly distributed pseudo-random non-negative long integer generator
seekdir	set the position of a directory stream
select	synchronous I/O multiplexing
sem_close	close a named semaphore
semctl	XSI semaphore control operations
sem_destroy	destroy an unnamed semaphore
semget	get set of XSI semaphores
sem_getvalue	get the value of a semaphore
sem_init	initialize an unnamed semaphore
semop	XSI semaphore operations
sem_open	initialize and open a named semaphore
sem_post	unlock a semaphore

sem_trywait	lock a semaphore
sem_unlink	remove a named semaphore
sem_wait	lock a semaphore
send	send a message on a socket
sendmsg	send a message on a socket using a message structure
sendto	send a message on a socket
setbuf	assign buffering to a stream
setegid	set the effective group ID
setenv	add or change environment variable
seteuid	set effective user ID
setgid	set-group-ID
setgrent	reset the group database to the first entry
sethostent	network host database functions
setitimer	set the value of an interval timer
setjmp	set jump point for a non-local goto
setkey	set encoding key (CRYPT)
setlocale	set program locale
setlogmask	set the log priority mask
setnetent	network database function
setpgid	set process group ID for job control
setpgrp	set the process group ID
setpriority	set the nice value

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setpwent	user database function
setregid	set real and effective group IDs
setreuid	set real and effective user IDs
setrlimit	control maximum resource consumption
setservent	network services database functions
setsid	create session and set process group ID
setsockopt	set the socket options
setstate	switch pseudo-random number generator state arrays
setuid	set user ID
setutxent	reset the user accounting database to the first entry
setvbuf	assign buffering to a stream
shmat	XSI shared memory attach operation
shmctl	XSI shared memory control operations
shmdt	XSI shared memory detach operation
shmget	get an XSI shared memory segment
shm_open	open a shared memory object (REALTIME)
shm_unlink	remove a shared memory object (REALTIME)
shutdown	shut down socket send and receive operations
sigaction	examine and change a signal action
sigaddset	add a signal to a signal set
sigaltstack	set and get signal alternate stack context

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sigemptyset	initialize and empty a signal set
sigfillset	initialize and fill a signal set
sighold	signal management
siginterrupt	allow signals to interrupt functions
sigismember	test for a signal in a signal set
siglongjmp	non-local goto with signal handling
signal	signal management
signbit	test sign
signgam	log gamma function
sigpause	remove a signal from the signal mask and suspend the thread
sigpending	examine pending signals
sigprocmask	examine and change blocked signals
sigqueue	queue a signal to a process
sigrelse	signal management
sigsetjmp	set jump point for a non-local goto
sigsuspend	wait for a signal
sigtimedwait	wait for queued signals
sigwait	wait for queued signals
sigwaitinfo	wait for queued signals
sin	sine function
sinh	hyperbolic sine functions
sinl	sine function

snprintf	print formatted output
sockatmark	determine whether a socket is at the out-of-band mark
socket	create an endpoint for communication
socketpair	create a pair of connected sockets
sprintf	print formatted output
sqrt	square root function
srand	pseudo-random number generator
srand48	seed the uniformly distributed double-precision pseudo-random number generator
srandom	seed pseudo-random number generator
sscanf	convert formatted input
stat	get file status
statvfs	get file system information
stdin	standard I/O streams
stpcpy	copy a string and return a pointer to the end of the result
stpncpy	copy fixed length string, returning a pointer to the array end
strcasecmp	case-insensitive string comparisons
strcat	concatenate two strings
strchr	string scanning operation
strcmp	compare two strings
strcoll	string comparison using collating information

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strcspn	get the length of a complementary substring
strdup	duplicate a specific number of bytes from a string
strerror	get error message string
strfmon	convert monetary value to a string
strftime	convert date and time to a string
strlen	get length of fixed size string
strncasecmp	case-insensitive string comparisons
strncat	concatenate a string with part of another
strncmp	compare part of two strings
strncpy	copy fixed length string, returning a pointer to the array end
strndup	duplicate a specific number of bytes from a string
strnlen	get length of fixed size string
strpbrk	scan a string for a byte
strptime	date and time conversion
strrchr	string scanning operation
strsignal	get name of signal
strspn	get length of a substring
strstr	find a substring
strtod	convert a string to a double-precision number
strtoimax	convert string to integer type
strtok	split string into tokens
strtol	convert a string to a long integer

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strtoll	convert a string to a long integer
strtoul	convert a string to an unsigned long
strtoumax	convert a string to an integer type
strxfrm	string transformation
swab	swap bytes
swprintf	print formatted wide-character output
swscanf	convert formatted wide-character input
symlink	make a symbolic link
sync	schedule file system updates
sysconf	get configurable system variables
syslog	log a message
system	issue a command
tan	tangent function
tanh	hyperbolic tangent functions
tanl	tangent function
tcdrain	wait for transmission of output
tcflow	suspend or restart the transmission or reception of data
tcflush	flush non-transmitted output data, non-read input data, or both
tcgetattr	get the parameters associated with the terminal
tcgetpgrp	get the foreground process group ID
	get the process group ID for the session leader

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tcsendbreak	send a break for a specific duration
tcsetattr	set the parameters associated with the terminal
tcsetpgrp	set the foreground process group ID
tdelete	manage a binary search tree
telldir	current location of a named directory stream
tempnam	create a name for a temporary file
tfind	search binary search tree
tgamma	compute gamma() function
time	get time
timer_create	create a per-process timer
timer_delete	delete a per-process timer
timer_getoverrun	per-process timers
times	get process and waited-for child process times
timezone	difference from UTC and local standard time
tmpfile	create a temporary file
tmpnam	create a name for a temporary file
toascii	translate an integer to a 7-bit ASCII character
_tolower	transliterate uppercase characters to lowercase
tolower	transliterate uppercase characters to lowercase
_toupper	transliterate lowercase characters to uppercase
toupper	transliterate lowercase characters to uppercase
towctrans	wide-character transliteration

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towupper	transliterate lowercase wide-character code to uppercase
trunc	round to truncated integer value
truncate	truncate a file to a specified length
truncf	round to truncated integer value
tsearch	search a binary search tree
ttyname	find the pathname of a terminal
twalk	traverse a binary search tree
tzset	set timezone conversion information
ulimit	get and set process limits
umask	set and get the file mode creation mask
uname	get the name of the current system
ungetc	push byte back into input stream
ungetwc	push wide-character code back into the input stream
unlink	remove a directory entry
unlockpt	unlock a pseudo-terminal master/slave pair
unsetenv	remove an environment variable
uselocale	use locale in current thread
utime	set file access and modification times
utimensat	set file access and modification times
va_arg	handle variable argument list
vfprintf	format output of a stdarg argument list

vfwprintf	wide-character formatted output of a stdarg argument list
vfwscanf	wide-character formatted input of a stdarg argument list
vprintf	format the output of a stdarg argument list
vscanf	format input of a stdarg argument list
vsnprintf	format output of a stdarg argument list
vsscanf	format input of a stdarg argument list
vswprintf	wide-character formatted output of a stdarg argument list
vswscanf	wide-character formatted input of a stdarg argument list
vwprintf	wide-character formatted output of a stdarg argument list
vwscanf	wide-character formatted input of a stdarg argument list
wait	wait for a child process to stop or terminate
waitid	wait for a child process to change state
waitpid	wait for a child process to stop or terminate
wcpcpy	copy a wide-character string, returning a pointer to its end
wcpncpy	copy a fixed-size wide-character string, returning a pointer to its end
wcrtomb	convert a wide-character code to a character (restartable)
wcscasecmp	case-insensitive wide-character string comparison
wcscat	concatenate two wide-character strings

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wcscmp	compare two wide-character strings
wcscoll	wide-character string comparison using collating information
wcscpy	copy a wide-character string, returning a pointer to its end
wcscspn	get the length of a complementary wide substring
wcsdup	duplicate a wide-character string
wcsftime	convert date and time to a wide-character string
wcslen	get length of a fixed-sized wide-character string
wcsncasecmp	case-insensitive wide-character string comparison
wcsncat	concatenate a wide-character string with part of another
wcsncmp	compare part of two wide-character strings
wcsncpy	copy a fixed-size wide-character string, returning a pointer to its end
wcsnlen	get length of a fixed-sized wide-character string
wcsnrtombs	convert wide-character string to multi-byte string
wcspbrk	scan a wide-character string for a wide-character code
wcsrchr	wide-character string scanning operation
wcsrtombs	convert a wide-character string to a character string (restartable)
wcsspn	get the length of a wide substring
wcsstr	find a wide-character substring
wcstod	convert a wide-character string to a double-precision number

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wcstok	split a wide-character string into tokens
wcstol	convert a wide-character string to a long integer
wcstold	convert a wide-character string to a double-precision number
wcstoll	convert a wide-character string to a long integer
wcstombs	convert a wide-character string to a character string
wcstoul	convert a wide-character string to an unsigned long
wcstoumax	convert a wide-character string to an integer type
wcswidth	number of column positions of a wide-character string
wcsxfrm	wide-character string transformation
wctob	wide-character to single-byte conversion
wctomb	convert a wide-character code to a character
wctrans	define character mapping
wctype	define character class
wcwidth	number of column positions of a wide-character code
wmemchr	find a wide character in memory
wmemcmp	compare wide characters in memory
wmemcpy	copy wide characters in memory
wmemmove	copy wide characters in memory with overlapping areas
wmemset	set wide characters in memory
wordexp	perform word expansions

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write	write on a file
writev	write a vector
wscanf	convert formatted wide-character input
y0	Bessel functions of the second kind