☰ CS50 Manual Pages

Manual pages for the C standard library, the C POSIX library, and the CS50
Library for those less comfortable.

Search

🔵 less comfortable

aio.h

aio_cancel - cancel an outstanding asynchronous I/O request
aio_error - get error status of asynchronous I/O operation
aio_fsync - asynchronous file synchronization
aio_init - asynchronous I/O initialization
aio_read - asynchronous read
aio_return - get return status of asynchronous I/O operation
aio_suspend - wait for asynchronous I/O operation or timeout
aio_write - asynchronous write
lio_listio - initiate a list of I/O requests

arpa/inet.h

byteorder - convert values between host and network byte order
htonl - convert values between host and network byte order
htons - convert values between host and network byte order
inet_net_ntop - Internet network number conversion
inet_net_pton - Internet network number conversion
inet_ntop - convert IPv4 and IPv6 addresses from binary to text form
inet_pton - convert IPv4 and IPv6 addresses from text to binary form
ntohl - convert values between host and network byte order
ntohs - convert values between host and network byte order

assert.h

assert - abort the program if assertion is false
assert_perror - test errnum and abort

complex.h

cabs - absolute value of a complex number
cabsf - absolute value of a complex number
cabsl - absolute value of a complex number
cacos - complex arc cosine
cacosf - complex arc cosine
cacosh - complex arc hyperbolic cosine
cacoshf - complex arc hyperbolic cosine
cacoshl - complex arc hyperbolic cosine
cacosl - complex arc cosine
carg - calculate the complex argument
cargf - calculate the complex argument
cargl - calculate the complex argument
casin - complex arc sine
casinf - complex arc sine
casinh - complex arc sine hyperbolic
casinhf - complex arc sine hyperbolic
casinhl - complex arc sine hyperbolic
casinl - complex arc sine
catan - complex arc tangents
catanf - complex arc tangents
catanh - complex arc tangents hyperbolic
catanhf - complex arc tangents hyperbolic
catanhl - complex arc tangents hyperbolic
catanl - complex arc tangents
ccos - complex cosine function
ccosf - complex cosine function
ccosh - complex hyperbolic cosine
ccoshf - complex hyperbolic cosine
ccoshl - complex hyperbolic cosine
ccosl - complex cosine function
cexp - complex exponential function
cexp2 - base-2 exponent of a complex number
cexp2f - base-2 exponent of a complex number
cexp2l - base-2 exponent of a complex number
cexpf - complex exponential function
cexpl - complex exponential function
cimag - get imaginary part of a complex number
cimagf - get imaginary part of a complex number
cimagl - get imaginary part of a complex number
clog - natural logarithm of a complex number

clog10 - base-10 logarithm of a complex number
clog10f - base-10 logarithm of a complex number
clog10l - base-10 logarithm of a complex number
clog2 - base-2 logarithm of a complex number
clog2f - base-2 logarithm of a complex number
clog2l - base-2 logarithm of a complex number
clogf - natural logarithm of a complex number
clogl - natural logarithm of a complex number
complex - basics of complex mathematics
conj - calculate the complex conjugate
conjf - calculate the complex conjugate
conjl - calculate the complex conjugate
cpow - complex power function
cpowf - complex power function
cpowl - complex power function
cproj - project into Riemann Sphere
cprojf - project into Riemann Sphere
cprojl - project into Riemann Sphere
creal - get real part of a complex number
crealf - get real part of a complex number
creall - get real part of a complex number
csin - complex sine function
csinf - complex sine function
csinh - complex hyperbolic sine
csinhf - complex hyperbolic sine
csinhl - complex hyperbolic sine
csinl - complex sine function
csqrt - complex square root
csqrtf - complex square root
csqrtl - complex square root
ctan - complex tangent function
ctanf - complex tangent function
ctanh - complex hyperbolic tangent
ctanhf - complex hyperbolic tangent
ctanhl - complex hyperbolic tangent
ctanl - complex tangent function

cs50.h

get_char - prompts user for a line of text from stdin and returns...
get_double - prompts user for a line of text from stdin and returns...
get_float - prompts user for a line of text from stdin and returns...

get_int - prompts user for a line of text from stdin and returns...
get_long - prompts user for a line of text from stdin and returns...
get_long_long - prompts user for a line of text from stdin and returns...
get_string - prompts user for a line of text from stdin and returns...

ctype.h

isalnum - character classification functions
isalnum_l - character classification functions
isalpha - character classification functions
isalpha_l - character classification functions
isascii - character classification functions
isascii_l - character classification functions
isblank - character classification functions
isblank_l - character classification functions
iscntrl - character classification functions
iscntrl_l - character classification functions
isdigit - character classification functions
isdigit_l - character classification functions
isgraph - character classification functions
isgraph_l - character classification functions
islower - character classification functions
islower_l - character classification functions
isprint - character classification functions
isprint_l - character classification functions
ispunct - character classification functions
ispunct_l - character classification functions
isspace - character classification functions
isspace_l - character classification functions
isupper - character classification functions
isupper_l - character classification functions
isxdigit - character classification functions
isxdigit_l - character classification functions
toascii - convert character to ASCII
tolower - convert uppercase or lowercase
tolower_l - convert uppercase or lowercase
toupper - convert uppercase or lowercase
toupper_l - convert uppercase or lowercase

dirent.h

alphasort - scan a directory for matching entries
getdirentries - get directory entries in a filesystem-independent format
readdir - read a directory
readdir_r - read a directory
scandir - scan a directory for matching entries
scandirat - scan a directory for matching entries
seekdir - set the position of the next readdir() call in the dir...
telldir - return current location in directory stream
versionsort - scan a directory for matching entries

dlfcn.h

dladdr - translate address to symbolic information
dladdr1 - translate address to symbolic information
dlclose - open and close a shared object
dlerror - obtain error diagnostic for functions in the dlopen API
dlmopen - open and close a shared object
dlopen - open and close a shared object
dlsym - obtain address of a symbol in a shared object or execu...
dlvsym - obtain address of a symbol in a shared object or execu...

errno.h

errno - number of last error
program_invocation_name - obtain name used to invoke calling program
program_invocation_short_name - obtain name used to invoke calling program

fcntl.h

arm_fadvise - predeclare an access pattern for file data
arm_fadvise64_64 - predeclare an access pattern for file data
arm_sync_file_range - sync a file segment with disk
fadvise64 - predeclare an access pattern for file data
fadvise64_64 - predeclare an access pattern for file data
fallocate - manipulate file space
fanotify_init - create and initialize fanotify group
futimens - change file timestamps with nanosecond precision
futimesat - change timestamps of a file relative to a directory fi...
posix_fadvise - predeclare an access pattern for file data
posix_fallocate - allocate file space

readahead - initiate file readahead into page cache

splice - splice data to/from a pipe

sync_file_range - sync a file segment with disk

sync_file_range2 - sync a file segment with disk

tee - duplicating pipe content

utimensat - change file timestamps with nanosecond precision

vmsplice - splice user pages to/from a pipe

fenv.h

feclearexcept - floating-point rounding and exception handling

fedisableexcept - floating-point rounding and exception handling

feenableexcept - floating-point rounding and exception handling

fegetenv - floating-point rounding and exception handling

fegetexcept - floating-point rounding and exception handling

fegetexceptflag - floating-point rounding and exception handling

fegetround - floating-point rounding and exception handling

feholdexcept - floating-point rounding and exception handling

fenv - floating-point rounding and exception handling

feraiseexcept - floating-point rounding and exception handling

fesetenv - floating-point rounding and exception handling

fesetexceptflag - floating-point rounding and exception handling

fesetround - floating-point rounding and exception handling

fetestexcept - floating-point rounding and exception handling

feupdateenv - floating-point rounding and exception handling

fmtmsg.h

addseverity - introduce new severity classes

fmtmsg - print formatted error messages

fnmatch.h

fnmatch - match filename or pathname

ftw.h

ftw - file tree walk

nftw - file tree walk

glob.h

glob - find pathnames matching a pattern, free memory from gl...
globfree - find pathnames matching a pattern, free memory from gl...

grp.h

fgetgrent_r - get group file entry reentrantly
getgrent_r - get group file entry reentrantly
getgrouplist - get list of groups to which a user belongs
putgrent - write a group database entry to a file

iconv.h

iconv - perform character set conversion
iconv_close - deallocate descriptor for character set conversion
iconv_open - allocate descriptor for character set conversion

inttypes.h

strtoimax - convert string to integer
strtoumax - convert string to integer

langinfo.h

nl_langinfo - query language and locale information
nl_langinfo_l - query language and locale information

libgen.h

basename - parse pathname components
dirname - parse pathname components

limits.h

MB_LEN_MAX - maximum multibyte length of a character across all loc...
realpath - return the canonicalized absolute pathname

locale.h

duplocale - duplicate a locale object
freelocale - create, modify, and free a locale object
locale - description of multilanguage support
localeconv - get numeric formatting information
newlocale - create, modify, and free a locale object
setlocale - set the current locale
uselocale - set/get the locale for the calling thread

math.h

acos - arc cosine function
acosf - arc cosine function
acosh - inverse hyperbolic cosine function
acoshf - inverse hyperbolic cosine function
acoshl - inverse hyperbolic cosine function
acosl - arc cosine function
asin - arc sine function
asinf - arc sine function
asinh - inverse hyperbolic sine function
asinhf - inverse hyperbolic sine function
asinhl - inverse hyperbolic sine function
asinl - arc sine function
atan - arc tangent function
atan2 - arc tangent function of two variables
atan2f - arc tangent function of two variables
atan2l - arc tangent function of two variables
atanf - arc tangent function
atanh - inverse hyperbolic tangent function
atanhf - inverse hyperbolic tangent function
atanhl - inverse hyperbolic tangent function
atanl - arc tangent function
cbrt - cube root function
cbrtf - cube root function
cbrtl - cube root function
ceil - ceiling function: smallest integral value not less tha...
ceilf - ceiling function: smallest integral value not less tha...

ceill - ceiling function: smallest integral value not less tha...

copysign - copy sign of a number

copysignf - copy sign of a number

copysignl - copy sign of a number

cos - cosine function

cosf - cosine function

cosh - hyperbolic cosine function

coshf - hyperbolic cosine function

coshl - hyperbolic cosine function

cosl - cosine function

drem - floating-point remainder function

dremf - floating-point remainder function

dreml - floating-point remainder function

erf - error function

erfc - complementary error function

erfcf - complementary error function

erfcl - complementary error function

erff - error function

erfl - error function

exp - base-e exponential function

exp10 - base-10 exponential function

exp10f - base-10 exponential function

exp10l - base-10 exponential function

exp2 - base-2 exponential function

exp2f - base-2 exponential function

exp2l - base-2 exponential function

expf - base-e exponential function

expl - base-e exponential function

expm1 - exponential minus 1

expm1f - exponential minus 1

expm1l - exponential minus 1

fabs - absolute value of floating-point number

fabsf - absolute value of floating-point number

fabsl - absolute value of floating-point number

fdim - positive difference

fdimf - positive difference

fdiml - positive difference

finite - BSD floating-point classification functions

finitef - BSD floating-point classification functions

finitel - BSD floating-point classification functions

floor - largest integral value not greater than argument

floorf - largest integral value not greater than argument

floorl - largest integral value not greater than argument

fma - floating-point multiply and add

fmaf - floating-point multiply and add

fmal - floating-point multiply and add

fmax - determine maximum of two floating-point numbers

fmaxf - determine maximum of two floating-point numbers

fmaxl - determine maximum of two floating-point numbers

fmin - determine minimum of two floating-point numbers

fminf - determine minimum of two floating-point numbers

fminl - determine minimum of two floating-point numbers

fmod - floating-point remainder function

fmodf - floating-point remainder function

fmodl - floating-point remainder function

fpclassify - floating-point classification macros

frexp - convert floating-point number to fractional and integr...

frexpf - convert floating-point number to fractional and integr...

frexpl - convert floating-point number to fractional and integr...

gamma - (logarithm of the) gamma function

gammaf - (logarithm of the) gamma function

gammal - (logarithm of the) gamma function

HUGE_VAL - floating-point constants

HUGE_VALF - floating-point constants

HUGE_VALL - floating-point constants

hypot - Euclidean distance function

hypotf - Euclidean distance function

hypotl - Euclidean distance function

ilogb - get integer exponent of a floating-point value

ilogbf - get integer exponent of a floating-point value

ilogbl - get integer exponent of a floating-point value

INFINITY - floating-point constants

isfinite - floating-point classification macros

isgreater - floating-point relational tests without exception for NaN

isgreaterequal - floating-point relational tests without exception for NaN

isinf - floating-point classification macros

isinff - BSD floating-point classification functions

isinfl - BSD floating-point classification functions

isless - floating-point relational tests without exception for NaN

islessequal - floating-point relational tests without exception for NaN

islessgreater - floating-point relational tests without exception for NaN

isnan - floating-point classification macros

isnanf - BSD floating-point classification functions

isnanl - BSD floating-point classification functions

isnormal - floating-point classification macros

isunordered - floating-point relational tests without exception for NaN

j0 - Bessel functions of the first kind

j0f - Bessel functions of the first kind

j0l - Bessel functions of the first kind

j1 - Bessel functions of the first kind

j1f - Bessel functions of the first kind

j1l - Bessel functions of the first kind

jn - Bessel functions of the first kind

jnf - Bessel functions of the first kind

jnl - Bessel functions of the first kind

ldexp - multiply floating-point number by integral power of 2

ldexpf - multiply floating-point number by integral power of 2

ldexpl - multiply floating-point number by integral power of 2

lgamma - log gamma function

lgamma_r - log gamma function

lgammaf - log gamma function

lgammaf_r - log gamma function

lgammal - log gamma function

lgammal_r - log gamma function

llrint - round to nearest integer

llrintf - round to nearest integer

llrintl - round to nearest integer

llround - round to nearest integer

llroundf - round to nearest integer

llroundl - round to nearest integer

log - natural logarithmic function

log10 - base-10 logarithmic function

log10f - base-10 logarithmic function

log10l - base-10 logarithmic function

log1p - logarithm of 1 plus argument

log1pf - logarithm of 1 plus argument

log1pl - logarithm of 1 plus argument

log2 - base-2 logarithmic function

log2f - base-2 logarithmic function

log2l - base-2 logarithmic function

logb - get exponent of a floating-point value

logbf - get exponent of a floating-point value

logbl - get exponent of a floating-point value

logf - natural logarithmic function

logl - natural logarithmic function

lrint - round to nearest integer

lrintf - round to nearest integer

lrintl - round to nearest integer

lround - round to nearest integer

lroundf - round to nearest integer

lroundl - round to nearest integer

math_error - detecting errors from mathematical functions

matherr - SVID math library exception handling

modf - extract signed integral and fractional values from flo...

modff - extract signed integral and fractional values from flo...

modfl - extract signed integral and fractional values from flo...

NAN - floating-point constants

nan - return 'Not a Number'

nanf - return 'Not a Number'

nanl - return 'Not a Number'

nearbyint - round to nearest integer

nearbyintf - round to nearest integer

nearbyintl - round to nearest integer

nextafter - floating-point number manipulation

nextafterf - floating-point number manipulation

nextafterl - floating-point number manipulation

nextdown - return next floating-point number toward positive/nega...

nextdownf - return next floating-point number toward positive/nega...

nextdownl - return next floating-point number toward positive/nega...

nexttoward - floating-point number manipulation

nexttowardf - floating-point number manipulation

nexttowardl - floating-point number manipulation

nextup - return next floating-point number toward positive/nega...

nextupf - return next floating-point number toward positive/nega...

nextupl - return next floating-point number toward positive/nega...

pow - power functions

pow10 - base-10 power functions

pow10f - base-10 power functions

pow10l - base-10 power functions

powf - power functions

powl - power functions

remainder - floating-point remainder function

remainderf - floating-point remainder function

remainderl - floating-point remainder function

remquo - remainder and part of quotient

remquof - remainder and part of quotient

remquol - remainder and part of quotient

rint - round to nearest integer

rintf - round to nearest integer

rintl - round to nearest integer

round - round to nearest integer, away from zero

roundf - round to nearest integer, away from zero

roundl - round to nearest integer, away from zero
scalb - multiply floating-point number by integral power of ra...
scalbf - multiply floating-point number by integral power of ra...
scalbl - multiply floating-point number by integral power of ra...
scalbln - multiply floating-point number by integral power of radix
scalblnf - multiply floating-point number by integral power of radix
scalblnl - multiply floating-point number by integral power of radix
scalbn - multiply floating-point number by integral power of radix
scalbnf - multiply floating-point number by integral power of radix
scalbnl - multiply floating-point number by integral power of radix
signbit - test sign of a real floating-point number
signgam - log gamma function
significand - get mantissa of floating-point number
significandf - get mantissa of floating-point number
significandl - get mantissa of floating-point number
sin - sine function
sincos - calculate sin and cos simultaneously
sincosf - calculate sin and cos simultaneously
sincosl - calculate sin and cos simultaneously
sinf - sine function
sinh - hyperbolic sine function
sinhf - hyperbolic sine function
sinhl - hyperbolic sine function
sinl - sine function
sqrt - square root function
sqrtf - square root function
sqrtl - square root function
tan - tangent function
tanf - tangent function
tanh - hyperbolic tangent function
tanhf - hyperbolic tangent function
tanhl - hyperbolic tangent function
tanl - tangent function
tgamma - true gamma function
tgammaf - true gamma function
tgammal - true gamma function
trunc - round to integer, toward zero
truncf - round to integer, toward zero
truncl - round to integer, toward zero
y0 - Bessel functions of the second kind
y0f - Bessel functions of the second kind
y0l - Bessel functions of the second kind
y1 - Bessel functions of the second kind

y1f - Bessel functions of the second kind

y1l - Bessel functions of the second kind

yn - Bessel functions of the second kind

ynf - Bessel functions of the second kind

ynl - Bessel functions of the second kind

monetary.h

strfmon - convert monetary value to a string

strfmon_l - convert monetary value to a string

mqueue.h

mq_close - close a message queue descriptor

mq_getattr - get/set message queue attributes

mq_notify - register for notification when a message is available

mq_notify - register for notification when a message is available

mq_open - open a message queue

mq_open - open a message queue

mq_receive - receive a message from a message queue

mq_send - send a message to a message queue

mq_setattr - get/set message queue attributes

mq_timedreceive - receive a message from a message queue

mq_timedreceive - receive a message from a message queue

mq_timedsend - send a message to a message queue

mq_timedsend - send a message to a message queue

mq_unlink - remove a message queue

mq_unlink - remove a message queue

net/if.h

if_freenameindex - get network interface names and indexes

if_indextoname - mappings between network interface names and indexes

if_nameindex - get network interface names and indexes

if_nametoindex - mappings between network interface names and indexes

netdb.h

endhostent - get network host entry

endnetent - get network entry

endnetgrent - handle network group entries

endprotoent - get protocol entry

endrpcent - get RPC entry

endservent - get service entry

gai_cancel - asynchronous network address and service translation

gai_error - asynchronous network address and service translation

gai_suspend - asynchronous network address and service translation

getaddrinfo_a - asynchronous network address and service translation

gethostbyaddr - get network host entry

gethostbyaddr_r - get network host entry

gethostbyname - get network host entry

gethostbyname2 - get network host entry

gethostbyname2_r - get network host entry

gethostbyname_r - get network host entry

gethostent - get network host entry

gethostent_r - get network host entry

getnetbyaddr - get network entry

getnetbyaddr_r - get network entry (reentrant)

getnetbyname - get network entry

getnetbyname_r - get network entry (reentrant)

getnetent - get network entry

getnetent_r - get network entry (reentrant)

getnetgrent - handle network group entries

getnetgrent_r - handle network group entries

getprotobyname - get protocol entry

getprotobyname_r - get protocol entry (reentrant)

getprotobynumber - get protocol entry

getprotobynumber_r - get protocol entry (reentrant)

getprotoent - get protocol entry

getprotoent_r - get protocol entry (reentrant)

getrpcbyname - get RPC entry

getrpcbyname_r - get RPC entry (reentrant)

getrpcbynumber - get RPC entry

getrpcbynumber_r - get RPC entry (reentrant)

getrpcent - get RPC entry

getrpcent_r - get RPC entry (reentrant)

getservbyname - get service entry

getservbyname_r - get service entry (reentrant)

getservbyport - get service entry

getservbyport_r - get service entry (reentrant)

getservent - get service entry

getservent_r - get service entry (reentrant)

h_errno - get network host entry
herror - get network host entry
hstrerror - get network host entry
innetgr - handle network group entries
iruserok - routines for returning a stream to a remote command
iruserok_af - routines for returning a stream to a remote command
rcmd - routines for returning a stream to a remote command
rcmd_af - routines for returning a stream to a remote command
rexec - return stream to a remote command
rexec_af - return stream to a remote command
rresvport - routines for returning a stream to a remote command
rresvport_af - routines for returning a stream to a remote command
ruserok - routines for returning a stream to a remote command
ruserok_af - routines for returning a stream to a remote command
sethostent - get network host entry
setnetent - get network entry
setnetgrent - handle network group entries
setprotoent - get protocol entry
setrpcent - get RPC entry
setservent - get service entry

netinet/in.h

dn_comp - resolver routines
dn_expand - resolver routines
res_init - resolver routines
res_mkquery - resolver routines
res_nclose - resolver routines
res_ninit - resolver routines
res_nmkquery - resolver routines
res_nquery - resolver routines
res_nquerydomain - resolver routines
res_nsearch - resolver routines
res_nsend - resolver routines
res_query - resolver routines
res_querydomain - resolver routines
res_search - resolver routines
res_send - resolver routines
resolver - resolver routines

nl_types.h

catclose - open/close a message catalog

catgets - get message from a message catalog

catopen - open/close a message catalog

poll.h

poll - wait for some event on a file descriptor

ppoll - wait for some event on a file descriptor

pthread.h

pthread_attr_destroy - initialize and destroy thread attributes object

pthread_attr_getaffinity_np - set/get CPU affinity attribute in thread at...

pthread_attr_getdetachstate - set/get detach state attribute in thread at...

pthread_attr_getguardsize - set/get guard size attribute in thread attrib...

pthread_attr_getinheritsched - set/get inherit-scheduler attribute in thr...

pthread_attr_getschedparam - set/get scheduling parameter attributes in t...

pthread_attr_getschedpolicy - set/get scheduling policy attribute in thre...

pthread_attr_getscope - set/get contention scope attribute in thread attr...

pthread_attr_getsigmask_np - set/get signal mask attribute in thread attr...

pthread_attr_getstack - set/get stack attributes in thread attributes object

pthread_attr_getstackaddr - set/get stack address attribute in thread att...

pthread_attr_getstacksize - set/get stack size attribute in thread attrib...

pthread_attr_init - initialize and destroy thread attributes object

pthread_attr_setaffinity_np - set/get CPU affinity attribute in thread at...

pthread_attr_setdetachstate - set/get detach state attribute in thread at...

pthread_attr_setguardsize - set/get guard size attribute in thread attrib...

pthread_attr_setinheritsched - set/get inherit-scheduler attribute in thr...

pthread_attr_setschedparam - set/get scheduling parameter attributes in t...

pthread_attr_setschedpolicy - set/get scheduling policy attribute in thre...

pthread_attr_setscope - set/get contention scope attribute in thread attr...

pthread_attr_setsigmask_np - set/get signal mask attribute in thread attr...

pthread_attr_setstack - set/get stack attributes in thread attributes object

pthread_attr_setstackaddr - set/get stack address attribute in thread att...

pthread_attr_setstacksize - set/get stack size attribute in thread attrib...

pthread_cancel - send a cancellation request to a thread

pthread_cleanup_pop - push and pop thread cancellation clean-up handlers

pthread_cleanup_pop_restore_np - push and pop thread cancellation clean-u...

pthread_cleanup_push - push and pop thread cancellation clean-up handlers

pthread_cleanup_push_defer_np - push and pop thread cancellation clean-up...

pthread_create - create a new thread

pthread_detach - detach a thread

pthread_equal - compare thread IDs

pthread_exit - terminate calling thread

pthread_getaffinity_np - set/get CPU affinity of a thread

pthread_getattr_default_np - get or set default thread-creation attributes

pthread_getattr_np - get attributes of created thread

pthread_getconcurrency - set/get the concurrency level

pthread_getcpuclockid - retrieve ID of a thread's CPU time clock

pthread_getname_np - set/get the name of a thread

pthread_getschedparam - set/get scheduling policy and parameters of a thread

pthread_join - join with a terminated thread

pthread_kill_other_threads_np - terminate all other threads in process

pthread_mutex_consistent - make a robust mutex consistent

pthread_mutex_consistent_np - make a robust mutex consistent

pthread_mutexattr_getpshared - get/set process-shared mutex attribute

pthread_mutexattr_getrobust - get and set the robustness attribute of a m...

pthread_mutexattr_getrobust_np - get and set the robustness attribute of ...

pthread_mutexattr_setpshared - get/set process-shared mutex attribute

pthread_mutexattr_setrobust - get and set the robustness attribute of a m...

pthread_mutexattr_setrobust_np - get and set the robustness attribute of ...

pthread_rwlockattr_getkind_np - set/get the read-write lock kind of the t...

pthread_rwlockattr_setkind_np - set/get the read-write lock kind of the t...

pthread_self - obtain ID of the calling thread

pthread_setaffinity_np - set/get CPU affinity of a thread

pthread_setattr_default_np - get or set default thread-creation attributes

pthread_setcancelstate - set cancelability state and type

pthread_setcanceltype - set cancelability state and type

pthread_setconcurrency - set/get the concurrency level

pthread_setname_np - set/get the name of a thread

pthread_setschedparam - set/get scheduling policy and parameters of a thread

pthread_setschedprio - set scheduling priority of a thread

pthread_spin_destroy - initialize or destroy a spin lock

pthread_spin_init - initialize or destroy a spin lock

pthread_spin_lock - lock and unlock a spin lock

pthread_spin_trylock - lock and unlock a spin lock

pthread_spin_unlock - lock and unlock a spin lock

pthread_testcancel - request delivery of any pending cancellation request

pthread_timedjoin_np - try to join with a terminated thread

pthread_tryjoin_np - try to join with a terminated thread

pthread_yield - yield the processor

pwd.h

fgetpwent_r - get passwd file entry reentrantly
getpwent_r - get passwd file entry reentrantly

regex.h

regcomp - POSIX regex functions
regerror - POSIX regex functions
regex - POSIX regex functions
regexec - POSIX regex functions
regfree - POSIX regex functions

sched.h

__clone2 - create a child process
clone - create a child process
clone2 - create a child process
clone3 - create a child process
CPU_ALLOC - macros for manipulating CPU sets
CPU_ALLOC_SIZE - macros for manipulating CPU sets
CPU_AND - macros for manipulating CPU sets
CPU_AND_S - macros for manipulating CPU sets
CPU_CLR - macros for manipulating CPU sets
CPU_CLR_S - macros for manipulating CPU sets
CPU_COUNT - macros for manipulating CPU sets
CPU_COUNT_S - macros for manipulating CPU sets
CPU_EQUAL - macros for manipulating CPU sets
CPU_EQUAL_S - macros for manipulating CPU sets
CPU_FREE - macros for manipulating CPU sets
CPU_ISSET - macros for manipulating CPU sets
CPU_ISSET_S - macros for manipulating CPU sets
CPU_OR - macros for manipulating CPU sets
CPU_OR_S - macros for manipulating CPU sets
CPU_SET - macros for manipulating CPU sets
CPU_SET_S - macros for manipulating CPU sets
CPU_XOR - macros for manipulating CPU sets
CPU_XOR_S - macros for manipulating CPU sets
CPU_ZERO - macros for manipulating CPU sets
CPU_ZERO_S - macros for manipulating CPU sets
sched_get_priority_max - get static priority range
sched_get_priority_min - get static priority range
sched_getaffinity - set and get a thread's CPU affinity mask

sched_getattr - set and get scheduling policy and attributes
sched_getcpu - determine CPU on which the calling thread is running
sched_getparam - set and get scheduling parameters
sched_getscheduler - set and get scheduling policy/parameters
sched_rr_get_interval - get the SCHED_RR interval for the named process
sched_setaffinity - set and get a thread's CPU affinity mask
sched_setattr - set and get scheduling policy and attributes
sched_setparam - set and get scheduling parameters
sched_setscheduler - set and get scheduling policy/parameters
sched_yield - yield the processor
setns - reassociate thread with a namespace
unshare - disassociate parts of the process execution context

search.h

hcreate - hash table management
hcreate_r - hash table management
hdestroy - hash table management
hdestroy_r - hash table management
hsearch - hash table management
hsearch_r - hash table management
insque - insert/remove an item from a queue
lfind - linear search of an array
lsearch - linear search of an array
remque - insert/remove an item from a queue
tdelete - manage a binary search tree
tdestroy - manage a binary search tree
tfind - manage a binary search tree
tsearch - manage a binary search tree
twalk - manage a binary search tree
twalk_r - manage a binary search tree

semaphore.h

sem_close - close a named semaphore
sem_destroy - destroy an unnamed semaphore
sem_getvalue - get the value of a semaphore
sem_init - initialize an unnamed semaphore
sem_open - initialize and open a named semaphore
sem_post - unlock a semaphore
sem_timedwait - lock a semaphore

sem_trywait - lock a semaphore
sem_unlink - remove a named semaphore
sem_wait - lock a semaphore

setjmp.h

longjmp - performing a nonlocal goto
setjmp - performing a nonlocal goto
siglongjmp - performing a nonlocal goto
sigsetjmp - performing a nonlocal goto

signal.h

bsd_signal - signal handling with BSD semantics
gsignal - software signal facility
killpg - send signal to a process group
pidfd_send_signal - send a signal to a process specified by a file descri...
psiginfo - print signal description
psignal - print signal description
pthread_kill - send a signal to a thread
pthread_sigmask - examine and change mask of blocked signals
pthread_sigqueue - queue a signal and data to a thread
raise - send a signal to the caller
rt_sigaction - examine and change a signal action
rt_sigpending - examine pending signals
rt_sigprocmask - examine and change blocked signals
rt_sigsuspend - wait for a signal
rt_sigtimedwait - synchronously wait for queued signals
sigaction - examine and change a signal action
sigaddset - POSIX signal set operations
sigaltstack - set and/or get signal stack context
sigandset - POSIX signal set operations
sigblock - BSD signal API
sigdelset - POSIX signal set operations
sigemptyset - POSIX signal set operations
sigfillset - POSIX signal set operations
siggetmask - BSD signal API
sighold - System V signal API
sigignore - System V signal API
siginterrupt - allow signals to interrupt system calls
sigisemptyset - POSIX signal set operations

sigismember - POSIX signal set operations
sigmask - BSD signal API
signal - ANSI C signal handling
sigorset - POSIX signal set operations
sigpause - atomically release blocked signals and wait for interrupt
sigpending - examine pending signals
sigprocmask - examine and change blocked signals
sigqueue - queue a signal and data to a process
sigrelse - System V signal API
sigset - System V signal API
sigsetmask - BSD signal API
sigsetops - POSIX signal set operations
sigstack - set and/or get signal stack context
sigsuspend - wait for a signal
sigtimedwait - synchronously wait for queued signals
sigvec - BSD signal API
sigwait - wait for a signal
sigwaitinfo - synchronously wait for queued signals
ssignal - software signal facility
sysv_signal - signal handling with System V semantics
timer_create - create a POSIX per-process timer

spawn.h

posix_spawn - spawn a process
posix_spawnp - spawn a process

stdarg.h

stdarg - variable argument lists
va_arg - variable argument lists
va_copy - variable argument lists
va_end - variable argument lists
va_start - variable argument lists

stddef.h

offsetof - offset of a structure member
wcstoimax - convert wide-character string to integer
wcstoumax - convert wide-character string to integer

stdio.h

__fbufsize - interfaces to stdio FILE structure

__flbf - interfaces to stdio FILE structure

__fpending - interfaces to stdio FILE structure

__fpurge - purge a stream

__freadable - interfaces to stdio FILE structure

__freading - interfaces to stdio FILE structure

__fsetlocking - interfaces to stdio FILE structure

__fwritable - interfaces to stdio FILE structure

__fwriting - interfaces to stdio FILE structure

_flushlbf - interfaces to stdio FILE structure

addmntent - get filesystem descriptor file entry

asprintf - print to allocated string

clearerr - check and reset stream status

clearerr_unlocked - nonlocking stdio functions

ctermid - get controlling terminal name

dprintf - formatted output conversion

endmntent - get filesystem descriptor file entry

fclose - close a stream

fcloseall - close all open streams

fdopen - stream open functions

feof - check and reset stream status

feof_unlocked - nonlocking stdio functions

ferror - check and reset stream status

ferror_unlocked - nonlocking stdio functions

fflush - flush a stream

fflush_unlocked - nonlocking stdio functions

fgetc - input of characters and strings

fgetc_unlocked - nonlocking stdio functions

fgetgrent - get group file entry

fgetpos - reposition a stream

fgetpwent - get password file entry

fgets - input of characters and strings

fgets_unlocked - nonlocking stdio functions

fgetwc - read a wide character from a FILE stream

fgetwc_unlocked - nonlocking stdio functions

fgetws_unlocked - nonlocking stdio functions

fileno - check and reset stream status

fileno_unlocked - nonlocking stdio functions

flockfile - lock FILE for stdio

fmemopen - open memory as stream

fopen - stream open functions

fopencookie - opening a custom stream

fprintf - formatted output conversion

fpurge - purge a stream

fputc - output of characters and strings

fputc_unlocked - nonlocking stdio functions

fputs - output of characters and strings

fputs_unlocked - nonlocking stdio functions

fputwc - write a wide character to a FILE stream

fputwc_unlocked - nonlocking stdio functions

fputws_unlocked - nonlocking stdio functions

fread - binary stream input/output

fread_unlocked - nonlocking stdio functions

freopen - stream open functions

fscanf - input format conversion

fseek - reposition a stream

fseeko - seek to or report file position

fsetpos - reposition a stream

ftell - reposition a stream

ftello - seek to or report file position

ftrylockfile - lock FILE for stdio

funlockfile - lock FILE for stdio

fwprintf - formatted wide-character output conversion

fwrite - binary stream input/output

fwrite_unlocked - nonlocking stdio functions

getc - input of characters and strings

getc_unlocked - nonlocking stdio functions

getchar - input of characters and strings

getchar_unlocked - nonlocking stdio functions

getdelim - delimited string input

getline - delimited string input

getmntent - get filesystem descriptor file entry

getmntent_r - get filesystem descriptor file entry

gets - get a string from standard input (DEPRECATED)

getw - input and output of words (ints)

getwc - read a wide character from a FILE stream

getwc_unlocked - nonlocking stdio functions

getwchar_unlocked - nonlocking stdio functions

hasmntopt - get filesystem descriptor file entry

open_memstream - open a dynamic memory buffer stream

open_wmemstream - open a dynamic memory buffer stream

pclose - pipe stream to or from a process

perror - print a system error message

popen - pipe stream to or from a process
printf - formatted output conversion
putc - output of characters and strings
putc_unlocked - nonlocking stdio functions
putchar - output of characters and strings
putchar_unlocked - nonlocking stdio functions
putpwent - write a password file entry
puts - output of characters and strings
putw - input and output of words (ints)
putwc - write a wide character to a FILE stream
putwc_unlocked - nonlocking stdio functions
putwchar_unlocked - nonlocking stdio functions
remove - remove a file or directory
rename - change the name or location of a file
renameat - change the name or location of a file
renameat2 - change the name or location of a file
rewind - reposition a stream
scanf - input format conversion
setbuf - stream buffering operations
setbuffer - stream buffering operations
setlinebuf - stream buffering operations
setmntent - get filesystem descriptor file entry
setvbuf - stream buffering operations
snprintf - formatted output conversion
sprintf - formatted output conversion
sscanf - input format conversion
stderr - standard I/O streams
stdin - standard I/O streams
stdio - standard input/output library functions
stdio_ext - interfaces to stdio FILE structure
stdout - standard I/O streams
swprintf - formatted wide-character output conversion
sys_errlist - print a system error message
sys_nerr - print a system error message
tempnam - create a name for a temporary file
tmpfile - create a temporary file
tmpnam - create a name for a temporary file
tmpnam_r - create a name for a temporary file
ungetc - input of characters and strings
unlocked_stdio - nonlocking stdio functions
vasprintf - print to allocated string
vdprintf - formatted output conversion
vfprintf - formatted output conversion

vfscanf - input format conversion

vfwprintf - formatted wide-character output conversion

vprintf - formatted output conversion

vscanf - input format conversion

vsnprintf - formatted output conversion

vsprintf - formatted output conversion

vsscanf - input format conversion

vswprintf - formatted wide-character output conversion

vwprintf - formatted wide-character output conversion

wprintf - formatted wide-character output conversion

stdlib.h

a64l - convert between long and base-64

abort - cause abnormal process termination

abs - compute the absolute value of an integer

aligned_alloc - allocate aligned memory

atexit - register a function to be called at normal process ter...

atof - convert a string to a double

atoi - convert a string to an integer

atol - convert a string to an integer

atoll - convert a string to an integer

atoq - convert a string to an integer

bsearch - binary search of a sorted array

calloc - allocate and free dynamic memory

canonicalize_file_name - return the canonicalized absolute pathname

cfree - free allocated memory

clearenv - clear the environment

div - compute quotient and remainder of an integer division

drand48 - generate uniformly distributed pseudo-random numbers

drand48_r - generate uniformly distributed pseudo-random numbers r...

ecvt - convert a floating-point number to a string

ecvt_r - convert a floating-point number to a string

erand48 - generate uniformly distributed pseudo-random numbers

erand48_r - generate uniformly distributed pseudo-random numbers r...

exit - cause normal process termination

fcvt - convert a floating-point number to a string

fcvt_r - convert a floating-point number to a string

free - allocate and free dynamic memory

gcvt - convert a floating-point number to a string

getenv - get an environment variable

getloadavg - get system load averages

getpt - open a new pseudoterminal master

getsubopt - parse suboption arguments from a string

grantpt - grant access to the slave pseudoterminal

imaxabs - compute the absolute value of an integer

imaxdiv - compute quotient and remainder of an integer division

initstate - random number generator

initstate_r - reentrant random number generator

jrand48 - generate uniformly distributed pseudo-random numbers

jrand48_r - generate uniformly distributed pseudo-random numbers r...

l64a - convert between long and base-64

labs - compute the absolute value of an integer

lcong48 - generate uniformly distributed pseudo-random numbers

lcong48_r - generate uniformly distributed pseudo-random numbers r...

ldiv - compute quotient and remainder of an integer division

llabs - compute the absolute value of an integer

lldiv - compute quotient and remainder of an integer division

lrand48 - generate uniformly distributed pseudo-random numbers

lrand48_r - generate uniformly distributed pseudo-random numbers r...

malloc - allocate and free dynamic memory

MB_CUR_MAX - maximum length of a multibyte character in the current...

mblen - determine number of bytes in next multibyte character

mbstowcs - convert a multibyte string to a wide-character string

mbtowc - convert a multibyte sequence to a wide character

memalign - allocate aligned memory

mkdtemp - create a unique temporary directory

mkostemp - create a unique temporary file

mkostemps - create a unique temporary file

mkstemp - create a unique temporary file

mkstemps - create a unique temporary file

mktemp - make a unique temporary filename

mrand48 - generate uniformly distributed pseudo-random numbers

mrand48_r - generate uniformly distributed pseudo-random numbers r...

nrand48 - generate uniformly distributed pseudo-random numbers

nrand48_r - generate uniformly distributed pseudo-random numbers r...

on_exit - register a function to be called at normal process ter...

posix_memalign - allocate aligned memory

posix_openpt - open a pseudoterminal device

ptsname - get the name of the slave pseudoterminal

ptsname_r - get the name of the slave pseudoterminal

putenv - change or add an environment variable

pvalloc - allocate aligned memory

qecvt - convert a floating-point number to a string

qecvt_r - convert a floating-point number to a string

qfcvt - convert a floating-point number to a string

qfcvt_r - convert a floating-point number to a string

qgcvt - convert a floating-point number to a string

qsort - sort an array

qsort_r - sort an array

rand - pseudo-random number generator

rand_r - pseudo-random number generator

random - random number generator

random_r - reentrant random number generator

realloc - allocate and free dynamic memory

reallocarray - allocate and free dynamic memory

rpmatch - determine if the answer to a question is affirmative o...

secure_getenv - get an environment variable

seed48 - generate uniformly distributed pseudo-random numbers

seed48_r - generate uniformly distributed pseudo-random numbers r...

setenv - change or add an environment variable

setstate - random number generator

setstate_r - reentrant random number generator

srand - pseudo-random number generator

srand48 - generate uniformly distributed pseudo-random numbers

srand48_r - generate uniformly distributed pseudo-random numbers r...

srandom - random number generator

srandom_r - reentrant random number generator

strfromd - convert a floating-point value into a string

strfromf - convert a floating-point value into a string

strfroml - convert a floating-point value into a string

strtod - convert ASCII string to floating-point number

strtof - convert ASCII string to floating-point number

strtol - convert a string to a long integer

strtold - convert ASCII string to floating-point number

strtoll - convert a string to a long integer

strtoq - convert a string to a long integer

strtoul - convert a string to an unsigned long integer

strtoull - convert a string to an unsigned long integer

strtouq - convert a string to an unsigned long integer

system - execute a shell command

unlockpt - unlock a pseudoterminal master/slave pair

unsetenv - change or add an environment variable

valloc - allocate aligned memory

wcstombs - convert a wide-character string to a multibyte string

wctomb - convert a wide character to a multibyte sequence

string.h

bstring - byte string operations
memccpy - copy memory area
memchr - scan memory for a character
memcmp - compare memory areas
memcpy - copy memory area
memfrob - frobnicate (encrypt) a memory area
memmem - locate a substring
memmove - copy memory area
mempcpy - copy memory area
memrchr - scan memory for a character
memset - fill memory with a constant byte
rawmemchr - scan memory for a character
sigabbrev_np - return string describing signal
sigdescr_np - return string describing signal
stpcpy - copy a string returning a pointer to its end
stpncpy - copy a fixed-size string, returning a pointer to its end
strcasestr - locate a substring
strcat - concatenate two strings
strchr - locate character in string
strchrnul - locate character in string
strcmp - compare two strings
strcoll - compare two strings using the current locale
strcpy - copy a string
strcspn - get length of a prefix substring
strdup - duplicate a string
strdupa - duplicate a string
strerror - return string describing error number
strerror_l - return string describing error number
strerror_r - return string describing error number
strerrordesc_np - return string describing error number
strerrorname_np - return string describing error number
strfry - randomize a string
strlen - calculate the length of a string
strncat - concatenate two strings
strncmp - compare two strings
strncpy - copy a string
strndup - duplicate a string
strndupa - duplicate a string
strnlen - determine the length of a fixed-size string
strpbrk - search a string for any of a set of bytes

strrchr - locate character in string
strsep - extract token from string
strsignal - return string describing signal
strspn - get length of a prefix substring
strstr - locate a substring
strtok - extract tokens from strings
strtok_r - extract tokens from strings
strverscmp - compare two version strings
strxfrm - string transformation
sys_siglist - return string describing signal
wmempcpy - copy memory area

strings.h

bcmp - compare byte sequences
bcopy - copy byte sequence
bzero - zero a byte string
explicit_bzero - zero a byte string
ffs - find first bit set in a word
ffsl - find first bit set in a word
ffsll - find first bit set in a word
index - locate character in string
rindex - locate character in string
strcasecmp - compare two strings ignoring case
string - string operations
strncasecmp - compare two strings ignoring case

sys/ipc.h

shmctl - System V shared memory control
shmget - allocates a System V shared memory segment

sys/mman.h

madvise - give advice about use of memory
memfd_create - create an anonymous file
mlock - lock and unlock memory
mlock2 - lock and unlock memory
mlockall - lock and unlock memory
mmap - map or unmap files or devices into memory

mmap2 - map files or devices into memory
mmap64 - map or unmap files or devices into memory
mprotect - set protection on a region of memory
mremap - remap a virtual memory address
msync - synchronize a file with a memory map
munlock - lock and unlock memory
munlockall - lock and unlock memory
munmap - map or unmap files or devices into memory
pkey_alloc - allocate or free a protection key
pkey_free - allocate or free a protection key
pkey_mprotect - set protection on a region of memory
posix_madvise - give advice about patterns of memory usage
remap_file_pages - create a nonlinear file mapping
shm_open - create/open or unlink POSIX shared memory objects
shm_unlink - create/open or unlink POSIX shared memory objects

sys/select.h

_newselect - synchronous I/O multiplexing
FD_CLR - synchronous I/O multiplexing
FD_ISSET - synchronous I/O multiplexing
FD_SET - synchronous I/O multiplexing
FD_ZERO - synchronous I/O multiplexing
pselect - synchronous I/O multiplexing
pselect6 - synchronous I/O multiplexing
select - synchronous I/O multiplexing

sys/socket.h

accept - accept a connection on a socket
accept4 - accept a connection on a socket
address_families - socket address families (domains)
bind - bind a name to a socket
cmsg - access ancillary data
CMSG_ALIGN - access ancillary data
CMSG_DATA - access ancillary data
CMSG_FIRSTHDR - access ancillary data
CMSG_LEN - access ancillary data
CMSG_NXTHDR - access ancillary data
CMSG_SPACE - access ancillary data
connect - initiate a connection on a socket

ddp - Linux AppleTalk protocol implementation

getnameinfo - address-to-name translation in protocol-independent ma...

getpeername - get name of connected peer socket

getsockname - get socket name

getsockopt - get and set options on sockets

inet - Internet address manipulation routines

inet_addr - Internet address manipulation routines

inet_aton - Internet address manipulation routines

inet_lnaof - Internet address manipulation routines

inet_makeaddr - Internet address manipulation routines

inet_netof - Internet address manipulation routines

inet_network - Internet address manipulation routines

inet_ntoa - Internet address manipulation routines

ip - Linux IPv4 protocol implementation

ipv6 - Linux IPv6 protocol implementation

listen - listen for connections on a socket

packet - packet interface on device level

raw - Linux IPv4 raw sockets

setsockopt - get and set options on sockets

shutdown - shut down part of a full-duplex connection

sock_diag - obtaining information about sockets

sockatmark - determine whether socket is at out-of-band mark

socket - create an endpoint for communication

socket - Linux socket interface

socketpair - create a pair of connected sockets

tcp - TCP protocol

udp - User Datagram Protocol for IPv4

udplite - Lightweight User Datagram Protocol

unix - sockets for local interprocess communication

vsock - Linux VSOCK address family

x25 - ITU-T X.25 / ISO-8208 protocol interface

sys/stat.h

chmod - change permissions of a file

fchmod - change permissions of a file

fchmodat - change permissions of a file

isfdtype - test file type of a file descriptor

mkdir - create a directory

mkdirat - create a directory

sys/statvfs.h

fstatvfs - get filesystem statistics
statvfs - get filesystem statistics

sys/time.h

adjtime - correct the time to synchronize the system clock
futimes - change file timestamps
getitimer - get or set value of an interval timer
getpriority - get/set program scheduling priority
getrlimit - get/set resource limits
getrusage - get resource usage
gettimeofday - get / set time
lutimes - change file timestamps
prlimit - get/set resource limits
prlimit64 - get/set resource limits
setitimer - get or set value of an interval timer
setpriority - get/set program scheduling priority
setrlimit - get/set resource limits
settimeofday - get / set time
timeradd - timeval operations
timerclear - timeval operations
timercmp - timeval operations
timerisset - timeval operations
timersub - timeval operations
ugetrlimit - get/set resource limits
vlimit - get/set resource limits
vtimes - get resource usage

sys/times.h

times - get process times

sys/types.h

_llseek - reposition read/write file offset
add_key - add a key to the kernel's key management facility

bindresvport - bind a socket to a privileged IP port

closedir - close a directory

creat - open and possibly create a file

db - database access methods

dbopen - database access methods

dirfd - get directory stream file descriptor

endgrent - get group file entry

endpwent - get password file entry

fdopendir - open a directory

fgetxattr - retrieve an extended attribute value

flistxattr - list extended attribute names

fork - create a child process

freeaddrinfo - network address and service translation

freehostent - get network hostnames and addresses

freeifaddrs - get interface addresses

fremovexattr - remove an extended attribute

fsetxattr - set an extended attribute value

fstat - get file status

fstat64 - get file status

fstatat - get file status

fstatat64 - get file status

ftok - convert a pathname and a project identifier to a Syste...

fts - traverse a file hierarchy

fts_children - traverse a file hierarchy

fts_close - traverse a file hierarchy

fts_open - traverse a file hierarchy

fts_read - traverse a file hierarchy

fts_set - traverse a file hierarchy

gai_strerror - network address and service translation

getaddrinfo - network address and service translation

getgrent - get group file entry

getgrgid - get group file entry

getgrgid_r - get group file entry

getgrnam - get group file entry

getgrnam_r - get group file entry

getgroups - get/set list of supplementary group IDs

getgroups32 - get/set list of supplementary group IDs

getifaddrs - get interface addresses

getipnodebyaddr - get network hostnames and addresses

getipnodebyname - get network hostnames and addresses

getpgid - set/get process group

getpgrp - set/get process group

getpid - get process identification

getppid - get process identification

getpw - reconstruct password line entry

getpwent - get password file entry

getpwnam - get password file entry

getpwnam_r - get password file entry

getpwuid - get password file entry

getpwuid_r - get password file entry

getsid - get session ID

getumask - get file creation mask

getxattr - retrieve an extended attribute value

initgroups - initialize the supplementary group access list

keyctl - manipulate the kernel's key management facility

kill - send signal to a process

lgetxattr - retrieve an extended attribute value

listxattr - list extended attribute names

llistxattr - list extended attribute names

llseek - reposition read/write file offset

lremovexattr - remove an extended attribute

lseek - reposition read/write file offset

lseek64 - reposition 64-bit read/write file offset

lsetxattr - set an extended attribute value

lstat - get file status

lstat64 - get file status

mkfifo - make a FIFO special file (a named pipe)

mkfifoat - make a FIFO special file (a named pipe)

mknod - create a special or ordinary file

mknodat - create a special or ordinary file

modify_ldt - get or set a per-process LDT entry

mq_getsetattr - get/set message queue attributes

msgctl - System V message control operations

msgget - get a System V message queue identifier

msgop - System V message queue operations

msgrcv - System V message queue operations

msgsnd - System V message queue operations

name_to_handle_at - obtain handle for a pathname and open file via a handle

newfstatat - get file status

oldfstat - get file status

oldlstat - get file status

oldstat - get file status

open - open and possibly create a file

open_by_handle_at - obtain handle for a pathname and open file via a handle

openat - open and possibly create a file

openat2 - open and possibly create a file (extended)

opendir - open a directory

pidfd_open - obtain a file descriptor that refers to a process

re_comp - BSD regex functions

re_exec - BSD regex functions

recv - receive a message from a socket

recvfrom - receive a message from a socket

recvmsg - receive a message from a socket

removexattr - remove an extended attribute

request_key - request a key from the kernel's key management facility

rewinddir - reset directory stream

semctl - System V semaphore control operations

semget - get a System V semaphore set identifier

semop - System V semaphore operations

semtimedop - System V semaphore operations

send - send a message on a socket

sendmsg - send a message on a socket

sendto - send a message on a socket

setegid - set effective user or group ID

seteuid - set effective user or group ID

setgid - set group identity

setgid32 - set group identity

setgrent - get group file entry

setgroups - get/set list of supplementary group IDs

setgroups32 - get/set list of supplementary group IDs

setpgid - set/get process group

setpgrp - set/get process group

setpwent - get password file entry

setregid - set real and/or effective user or group ID

setregid32 - set real and/or effective user or group ID

setreuid - set real and/or effective user or group ID

setreuid32 - set real and/or effective user or group ID

setsid - creates a session and sets the process group ID

setuid - set user identity

setuid32 - set user identity

setxattr - set an extended attribute value

shmat - System V shared memory operations

shmdt - System V shared memory operations

shmop - System V shared memory operations

spu_create - create a new spu context

stat - get file status

stat64 - get file status

statx - get file status (extended)

umask - set file mode creation mask

userfaultfd - create a file descriptor for handling page faults in u...
ustat - get filesystem statistics
utime - change file last access and modification times
utimes - change file last access and modification times
vfork - create a child process and block parent
wait - wait for process to change state
wait3 - wait for process to change state, BSD style
wait4 - wait for process to change state, BSD style
waitid - wait for process to change state
waitpid - wait for process to change state

sys/uio.h

preadv - read or write data into multiple buffers
preadv2 - read or write data into multiple buffers
process_vm_readv - transfer data between process address spaces
process_vm_writev - transfer data between process address spaces
pwritev - read or write data into multiple buffers
pwritev2 - read or write data into multiple buffers
readv - read or write data into multiple buffers
writev - read or write data into multiple buffers

sys/utsname.h

oldolduname - get name and information about current kernel
olduname - get name and information about current kernel
uname - get name and information about current kernel

syslog.h

closelog - send messages to the system logger
openlog - send messages to the system logger
setlogmask - set log priority mask
syslog - read and/or clear kernel message ring buffer; set cons...
vsyslog - send messages to the system logger

termios.h

cfgetispeed - get and set terminal attributes, line control, get and...

cfgetospeed - get and set terminal attributes, line control, get and...

cfmakeraw - get and set terminal attributes, line control, get and...

cfsetispeed - get and set terminal attributes, line control, get and...

cfsetospeed - get and set terminal attributes, line control, get and...

cfsetspeed - get and set terminal attributes, line control, get and...

ioctl_tty - ioctls for terminals and serial lines

tcdrain - get and set terminal attributes, line control, get and...

tcflow - get and set terminal attributes, line control, get and...

tcflush - get and set terminal attributes, line control, get and...

tcgetattr - get and set terminal attributes, line control, get and...

tcgetsid - get session ID

tcsendbreak - get and set terminal attributes, line control, get and...

tcsetattr - get and set terminal attributes, line control, get and...

termios - get and set terminal attributes, line control, get and...

tty_ioctl - ioctls for terminals and serial lines

time.h

asctime - transform date and time to broken-down time or ASCII

asctime_r - transform date and time to broken-down time or ASCII

clock - determine processor time

clock_getcpuclockid - obtain ID of a process CPU-time clock

clock_getres - clock and time functions

clock_gettime - clock and time functions

clock_nanosleep - high-resolution sleep with specifiable clock

clock_settime - clock and time functions

ctime - transform date and time to broken-down time or ASCII

ctime_r - transform date and time to broken-down time or ASCII

daylight - initialize time conversion information

difftime - calculate time difference

dysize - get number of days for a given year

getdate - convert a date-plus-time string to broken-down time

getdate_err - convert a date-plus-time string to broken-down time

getdate_r - convert a date-plus-time string to broken-down time

gmtime - transform date and time to broken-down time or ASCII

gmtime_r - transform date and time to broken-down time or ASCII

localtime - transform date and time to broken-down time or ASCII

localtime_r - transform date and time to broken-down time or ASCII

mktime - transform date and time to broken-down time or ASCII

nanosleep - high-resolution sleep

stime - set time

strftime - format date and time

strptime - convert a string representation of time to a time tm s...
time - get time in seconds
timegm - inverses of gmtime and localtime
timelocal - inverses of gmtime and localtime
timer_delete - delete a POSIX per-process timer
timer_getoverrun - get overrun count for a POSIX per-process timer
timer_gettime - arm/disarm and fetch state of POSIX per-process timer
timer_settime - arm/disarm and fetch state of POSIX per-process timer
timezone - initialize time conversion information
tzname - initialize time conversion information
tzset - initialize time conversion information

ulimit.h

ulimit - get and set user limits

unistd.h

_Exit - terminate the calling process
_exit - terminate the calling process
_sysctl - read/write system parameters
access - check user's permissions for a file
acct - switch process accounting on or off
alarm - set an alarm clock for delivery of a signal
brk - change data segment size
chdir - change working directory
chown - change ownership of a file
chown32 - change ownership of a file
chroot - change root directory
close - close a file descriptor
confstr - get configuration dependent string variables
copy_file_range - Copy a range of data from one file to another
cuserid - get username
daemon - run in the background
dup - duplicate a file descriptor
dup2 - duplicate a file descriptor
dup3 - duplicate a file descriptor
eaccess - check effective user's permissions for a file
encrypt - encrypt 64-bit messages
encrypt_r - encrypt 64-bit messages
endusershell - get permitted user shells

euidaccess - check effective user's permissions for a file

exec - execute a file

execl - execute a file

execle - execute a file

execlp - execute a file

execv - execute a file

execve - execute program

execveat - execute program relative to a directory file descriptor

execvp - execute a file

execvpe - execute a file

exit - terminate the calling process

faccessat - check user's permissions for a file

faccessat2 - check user's permissions for a file

fchdir - change working directory

fchown - change ownership of a file

fchown32 - change ownership of a file

fchownat - change ownership of a file

fcntl - manipulate file descriptor

fcntl64 - manipulate file descriptor

fdatasync - synchronize a file's in-core state with storage device

fexecve - execute program specified via file descriptor

fpathconf - get configuration values for files

fsync - synchronize a file's in-core state with storage device

ftruncate - truncate a file to a specified length

ftruncate64 - truncate a file to a specified length

get_current_dir_name - get current working directory

getcwd - get current working directory

getcwd - get current working directory

getdomainname - get/set NIS domain name

getdtablesize - get file descriptor table size

getegid - get group identity

getegid32 - get group identity

getentropy - fill a buffer with random bytes

geteuid - get user identity

geteuid32 - get user identity

getgid - get group identity

getgid32 - get group identity

gethostid - get or set the unique identifier of the current host

gethostname - get/set hostname

getlogin - get username

getlogin_r - get username

getopt - Parse command-line options

getopt_long - Parse command-line options

getopt_long_only - Parse command-line options

getpagesize - get memory page size

getpass - get a password

getresgid - get real, effective and saved user/group IDs

getresgid32 - get real, effective and saved user/group IDs

getresuid - get real, effective and saved user/group IDs

getresuid32 - get real, effective and saved user/group IDs

gettid - get thread identification

getuid - get user identity

getuid32 - get user identity

getusershell - get permitted user shells

getwd - get current working directory

group_member - test whether a process is in a group

idle - make process 0 idle

isatty - test whether a file descriptor refers to a terminal

lchown - change ownership of a file

lchown32 - change ownership of a file

link - make a new name for a file

linkat - make a new name for a file

lockf - apply, test or remove a POSIX lock on an open file

mincore - determine whether pages are resident in memory

nice - change process priority

optarg - Parse command-line options

opterr - Parse command-line options

optind - Parse command-line options

optopt - Parse command-line options

pathconf - get configuration values for files

pause - wait for signal

pipe - create pipe

pipe2 - create pipe

pread - read from or write to a file descriptor at a given offset

pread64 - read from or write to a file descriptor at a given offset

profil - execution time profile

pwrite - read from or write to a file descriptor at a given offset

pwrite64 - read from or write to a file descriptor at a given offset

read - read from a file descriptor

readlink - read value of a symbolic link

readlinkat - read value of a symbolic link

reboot - reboot or enable/disable Ctrl-Alt-Del

rmdir - delete a directory

sbrk - change data segment size

setdomainname - get/set NIS domain name

sethostid - get or set the unique identifier of the current host

sethostname - get/set hostname

setkey - encrypt 64-bit messages

setkey_r - encrypt 64-bit messages

setresgid - set real, effective and saved user or group ID

setresgid32 - set real, effective and saved user or group ID

setresuid - set real, effective and saved user or group ID

setresuid32 - set real, effective and saved user or group ID

setup - setup devices and filesystems, mount root filesystem

setusershell - get permitted user shells

sleep - sleep for a specified number of seconds

swab - swap adjacent bytes

swapoff - start/stop swapping to file/device

swapon - start/stop swapping to file/device

symlink - make a new name for a file

symlinkat - make a new name for a file

sync - commit filesystem caches to disk

syncfs - commit filesystem caches to disk

syscall - indirect system call

sysconf - get configuration information at run time

sysctl - read/write system parameters

tcgetpgrp - get and set terminal foreground process group

tcsetpgrp - get and set terminal foreground process group

truncate - truncate a file to a specified length

truncate64 - truncate a file to a specified length

ttyname - return name of a terminal

ttyname_r - return name of a terminal

ualarm - schedule signal after given number of microseconds

unlink - delete a name and possibly the file it refers to

unlinkat - delete a name and possibly the file it refers to

uselib - load shared library

usleep - suspend execution for microsecond intervals

vhangup - virtually hangup the current terminal

write - write to a file descriptor

utmpx.h

getutmp - copy utmp structure to utmpx, and vice versa

getutmpx - copy utmp structure to utmpx, and vice versa

wchar.h

btowc - convert single byte to wide character

fgetws - read a wide-character string from a FILE stream

fputws - write a wide-character string to a FILE stream

fwide - set and determine the orientation of a FILE stream

getwchar - read a wide character from standard input

mbrlen - determine number of bytes in next multibyte character

mbrtowc - convert a multibyte sequence to a wide character

mbsinit - test for initial shift state

mbsnrtowcs - convert a multibyte string to a wide-character string

mbsrtowcs - convert a multibyte string to a wide-character string

putwchar - write a wide character to standard output

ungetwc - push back a wide character onto a FILE stream

wcpcpy - copy a wide-character string, returning a pointer to i...

wcpncpy - copy a fixed-size string of wide characters, returning...

wcrtomb - convert a wide character to a multibyte sequence

wcscasecmp - compare two wide-character strings, ignoring case

wcscat - concatenate two wide-character strings

wcschr - search a wide character in a wide-character string

wcscmp - compare two wide-character strings

wcscpy - copy a wide-character string

wcscspn - search a wide-character string for any of a set of wid...

wcsdup - duplicate a wide-character string

wcslen - determine the length of a wide-character string

wcsncasecmp - compare two fixed-size wide-character strings, ignorin...

wcsncat - concatenate two wide-character strings

wcsncmp - compare two fixed-size wide-character strings

wcsncpy - copy a fixed-size string of wide characters

wcsnlen - determine the length of a fixed-size wide-character st...

wcsnrtombs - convert a wide-character string to a multibyte string

wcspbrk - search a wide-character string for any of a set of wid...

wcsrchr - search a wide character in a wide-character string

wcsrtombs - convert a wide-character string to a multibyte string

wcsspn - advance in a wide-character string, skipping any of a ...

wcsstr - locate a substring in a wide-character string

wcstok - split wide-character string into tokens

wcswidth - determine columns needed for a fixed-size wide-charact...

wctob - try to represent a wide character as a single byte

wcwidth - determine columns needed for a wide character

wmemchr - search a wide character in a wide-character array

wmemcmp - compare two arrays of wide-characters

wmemcpy - copy an array of wide-characters

wmemmove - copy an array of wide-characters

wmemset - fill an array of wide-characters with a constant wide ...

wctype.h

iswalnum - test for alphanumeric wide character
iswalpha - test for alphabetic wide character
iswblank - test for whitespace wide character
iswcntrl - test for control wide character
iswctype - wide-character classification
iswdigit - test for decimal digit wide character
iswgraph - test for graphic wide character
iswlower - test for lowercase wide character
iswprint - test for printing wide character
iswpunct - test for punctuation or symbolic wide character
iswspace - test for whitespace wide character
iswupper - test for uppercase wide character
iswxdigit - test for hexadecimal digit wide character
towctrans - wide-character transliteration
towlower - convert a wide character to lowercase
towlower_l - convert a wide character to lowercase
towupper - convert a wide character to uppercase
towupper_l - convert a wide character to uppercase
wctrans - wide-character translation mapping
wctype - wide-character classification

wordexp.h

wordexp - perform word expansion like a posix-shell
wordfree - perform word expansion like a posix-shell