[**C++ <cmath>**](https://www.programiz.com/cpp-programming/library-function/cmath)

[C++ cos()](https://www.programiz.com/cpp-programming/library-function/cmath/cos)

Returns Cosine of the Argument

[C++ sin()](https://www.programiz.com/cpp-programming/library-function/cmath/sin)

Returns Sine of the Argument

[C++ asin()](https://www.programiz.com/cpp-programming/library-function/cmath/asin)

Returns Inverse Sine a Number

[C++ atan()](https://www.programiz.com/cpp-programming/library-function/cmath/atan)

Returns Inverse tangent a Number

[C++ tan()](https://www.programiz.com/cpp-programming/library-function/cmath/tan)

Returns Tangent of the Argument

[C++ atan2()](https://www.programiz.com/cpp-programming/library-function/cmath/atan2)

Returns Inverse Tangent of a Coordinate

[C++ acos()](https://www.programiz.com/cpp-programming/library-function/cmath/acos)

Returns Inverse cosine a Number

[C++ ceil()](https://www.programiz.com/cpp-programming/library-function/cmath/ceil)

Return ceiling value of number

[C++ sinh()](https://www.programiz.com/cpp-programming/library-function/cmath/sinh)

returns hyperbolic sine of an angle

[C++ asinh()](https://www.programiz.com/cpp-programming/library-function/cmath/asinh)

returns arc hyperbolic sine of a number

[C++ floor()](https://www.programiz.com/cpp-programming/library-function/cmath/floor)

Returns floor value of decimal number

[C++ tanh()](https://www.programiz.com/cpp-programming/library-function/cmath/tanh)

returns hyperbolic tangent of an angle

[C++ fmod()](https://www.programiz.com/cpp-programming/library-function/cmath/fmod)

Computes floating point remainder of division

[C++ acosh()](https://www.programiz.com/cpp-programming/library-function/cmath/acosh)

returns hyperbolic cosine of a number

[C++ atanh()](https://www.programiz.com/cpp-programming/library-function/cmath/atanh)

returns arc hyperbolic tangent of a number

[C++ log()](https://www.programiz.com/cpp-programming/library-function/cmath/log)

Returns Natural Logarithm of a Number

[C++ lround()](https://www.programiz.com/cpp-programming/library-function/cmath/lround)

Returns the long int value nearest to the argument

[C++ trunc()](https://www.programiz.com/cpp-programming/library-function/cmath/trunc)

Truncates the demical part of a number

[C++ round()](https://www.programiz.com/cpp-programming/library-function/cmath/round)

Returns integral value nearest to argument

[C++ llround()](https://www.programiz.com/cpp-programming/library-function/cmath/llround)

Rounds argument to nearest long long int value

[C++ rint()](https://www.programiz.com/cpp-programming/library-function/cmath/rint)

Rounds argument using current rounding mode

[C++ log10()](https://www.programiz.com/cpp-programming/library-function/cmath/log10)

Returns Base 10 Logarithm of a Number

[C++ lrint()](https://www.programiz.com/cpp-programming/library-function/cmath/lrint)

Rounds argument using current rounding mode

[C++ modf()](https://www.programiz.com/cpp-programming/library-function/cmath/modf)

Breaks Number Into Integral and Fractional Part

[C++ exp()](https://www.programiz.com/cpp-programming/library-function/cmath/exp)

returns exponential (e) raised to a number

[C++ exp2()](https://www.programiz.com/cpp-programming/library-function/cmath/exp2)

Returns 2 raised to a Number

[C++ scalbn()](https://www.programiz.com/cpp-programming/library-function/cmath/scalbn)

Scales x by FLT\_RADIX to the power n

[C++ ldexp()](https://www.programiz.com/cpp-programming/library-function/cmath/ldexp)

returns product of x and 2 raised to the power e

[C++ expm1()](https://www.programiz.com/cpp-programming/library-function/cmath/expm1)

Returns e raised to Power Minus 1

[C++ nearbyint()](https://www.programiz.com/cpp-programming/library-function/cmath/nearbyint)

Rounds argument to using current rounding mode

[C++ ilogb()](https://www.programiz.com/cpp-programming/library-function/cmath/ilogb)

returns integral part of logarithm of |x|

[C++ frexp()](https://www.programiz.com/cpp-programming/library-function/cmath/frexp)

breaks float to its binary significand

[C++ log2()](https://www.programiz.com/cpp-programming/library-function/cmath/log2)

returns base2 logarithm of a number

[C++ scalbln()](https://www.programiz.com/cpp-programming/library-function/cmath/scalbln)

Scales x by FLT\_RADIX to the power n

[C++ log1p()](https://www.programiz.com/cpp-programming/library-function/cmath/log1p)

returns natural logarithm of x+1.

[C++ logb()](https://www.programiz.com/cpp-programming/library-function/cmath/logb)

returns logarithm of |x|

[C++ remquo()](https://www.programiz.com/cpp-programming/library-function/cmath/remquo)

Computer remainder and stores quotient of x/y

[C++ sqrt()](https://www.programiz.com/cpp-programming/library-function/cmath/sqrt)

Computes Square Root of A Number

[C++ cbrt()](https://www.programiz.com/cpp-programming/library-function/cmath/cbrt)

Computes Cube Root of a Number

[C++ nexttoward()](https://www.programiz.com/cpp-programming/library-function/cmath/nexttoward)

returns next value after x in direction of y

[C++ hypot()](https://www.programiz.com/cpp-programming/library-function/cmath/hypot)

Returns Square Root of sum of square of Arguments

[C++ fmax()](https://www.programiz.com/cpp-programming/library-function/cmath/fmax)

returns largest among two arguments passed

[C++ nextafter()](https://www.programiz.com/cpp-programming/library-function/cmath/nextafter)

returns next value after x in direction of y

[C++ fabs()](https://www.programiz.com/cpp-programming/library-function/cmath/fabs)

returns absolute value of argument

[C++ nan()](https://www.programiz.com/cpp-programming/library-function/cmath/nan)

returns a quiet NaN value

[C++ cmath abs()](https://www.programiz.com/cpp-programming/library-function/cmath/abs)

returns absolute value of an argument

[C++ fma()](https://www.programiz.com/cpp-programming/library-function/cmath/fma)

Returns Fused Multiply–Accumulate

[C++ fmin()](https://www.programiz.com/cpp-programming/library-function/cmath/fmin)

returns smallest among two given arguments

[C++ copysign()](https://www.programiz.com/cpp-programming/library-function/cmath/copysign)

returns num with value of first and sign of second

[C++ fdim()](https://www.programiz.com/cpp-programming/library-function/cmath/fdim)

Returns Positive Different Between Arguments

[C++ cosh()](https://www.programiz.com/cpp-programming/library-function/cmath/cosh)

Returns Hyperbolic Cosine of an Angle

[C++ remainder()](https://www.programiz.com/cpp-programming/library-function/cmath/remainder)

Returns remainder of x/y

[C++ llrint()](https://www.programiz.com/cpp-programming/library-function/cmath/llrint)

Rounds argument using current rounding mode

[C++ pow()](https://www.programiz.com/cpp-programming/library-function/cmath/pow)

Computes Power a Number

[**C++ <cstdlib>**](https://www.programiz.com/cpp-programming/library-function/cstdlib)

[C++ strtod()](https://www.programiz.com/cpp-programming/library-function/cstdlib/strtod)

returns string float to double

[C++ atof()](https://www.programiz.com/cpp-programming/library-function/cstdlib/atof)

Converts String to Double

[C++ strtol()](https://www.programiz.com/cpp-programming/library-function/cstdlib/strtol)

Converts a string to number

[C++ atol()](https://www.programiz.com/cpp-programming/library-function/cstdlib/atol)

Converts String to Integer

[C++ strtoll()](https://www.programiz.com/cpp-programming/library-function/cstdlib/strtoll)

converts string to long long int in C++

[C++ strtoull()](https://www.programiz.com/cpp-programming/library-function/cstdlib/strtoull)

converts string to unsigned long long int

[C++ malloc()](https://www.programiz.com/cpp-programming/library-function/cstdlib/malloc)

allocates a block of unitialized memory

[C++ realloc()](https://www.programiz.com/cpp-programming/library-function/cstdlib/realloc)

reallocates a block of previously allocated memory

[C++ srand()](https://www.programiz.com/cpp-programming/library-function/cstdlib/srand)

seeds pseudo random number for rand()

[C++ free()](https://www.programiz.com/cpp-programming/library-function/cstdlib/free)

deallocates a block of memory

[C++ atexit()](https://www.programiz.com/cpp-programming/library-function/cstdlib/atexit)

registers function to be called on termination

[C++ at\_quick\_exit()](https://www.programiz.com/cpp-programming/library-function/cstdlib/at-quick-exit)

registers function and calls on quick termination

[C++ getenv()](https://www.programiz.com/cpp-programming/library-function/cstdlib/getenv)

returns pointer to environment variable passed

[C++ quick\_exit()](https://www.programiz.com/cpp-programming/library-function/cstdlib/quick-exit)

causes termination without cleaning resources

[C++ \_Exit()](https://www.programiz.com/cpp-programming/library-function/cstdlib/exit)

causes termination without cleanup tasks

[C++ bsearch()](https://www.programiz.com/cpp-programming/library-function/cstdlib/bsearch)

performs binary search on sorted array

[C++ qsort()](https://www.programiz.com/cpp-programming/library-function/cstdlib/qsort)

sorts array using quick-sort algorithm

[C++ cstdlib abs()](https://www.programiz.com/cpp-programming/library-function/cstdlib/abs)

returns absolute value of an integer

[C++ div()](https://www.programiz.com/cpp-programming/library-function/cstdlib/div)

computes integral quotient and remainder of number

[C++ lldiv()](https://www.programiz.com/cpp-programming/library-function/cstdlib/lldiv)

computes integral division of two long long int.

[C++ labs()](https://www.programiz.com/cpp-programming/library-function/cstdlib/labs)

returns absolute value of long or long int number

[C++ ldiv()](https://www.programiz.com/cpp-programming/library-function/cstdlib/ldiv)

computes integral division of long int numbers

[C++ llabs()](https://www.programiz.com/cpp-programming/library-function/cstdlib/llabs)

returns absolute value of a long long int data

[C++ mblen()](https://www.programiz.com/cpp-programming/library-function/cstdlib/mblen)

determines size of a multibyte character

[C++ mbtowc()](https://www.programiz.com/cpp-programming/library-function/cstdlib/mbtowc)

converts multibyte character to a wide character

[C++ wctomb()](https://www.programiz.com/cpp-programming/library-function/cstdlib/wctomb)

converts wide character to a multibyte character

[C++ wcstombs()](https://www.programiz.com/cpp-programming/library-function/cstdlib/wcstombs)

converts wide character string to multibyte seq

[C++ mbstowcs()](https://www.programiz.com/cpp-programming/library-function/cstdlib/mbstowcs)

converts multibyte char string to wide char seq

[C++ calloc()](https://www.programiz.com/cpp-programming/library-function/cstdlib/calloc)

allocates block of memory and initializes to zero

[**C++ <iostream>**](https://www.programiz.com/cpp-programming/library-function/iostream)

[C++ cin](https://www.programiz.com/cpp-programming/library-function/iostream/cin)

accepts input from user

[C++ cout](https://www.programiz.com/cpp-programming/library-function/iostream/cout)

displays output to output device i.e monitor

[C++ cerr](https://www.programiz.com/cpp-programming/library-function/iostream/cerr)

writes to error stream

[C++ clog](https://www.programiz.com/cpp-programming/library-function/iostream/clog)

used for streaming logs

[C++ wcin](https://www.programiz.com/cpp-programming/library-function/iostream/wcin)

accepts input in wide character type

[C++ wcout](https://www.programiz.com/cpp-programming/library-function/iostream/wcout)

displays wide characters (Unicode) to screen

[C++ wcerr](https://www.programiz.com/cpp-programming/library-function/iostream/wcerr)

prints to error stream as wide character type

[C++ wclog](https://www.programiz.com/cpp-programming/library-function/iostream/wclog)

writes to log stream with wide character

[**C++ <cstring>**](https://www.programiz.com/cpp-programming/library-function/cstring)

[C++ memcpy()](https://www.programiz.com/cpp-programming/library-function/cstring/memcpy)

copies block of memory from source to destination

[C++ strcat()](https://www.programiz.com/cpp-programming/library-function/cstring/strcat)

appends copy of string to end of another string

[C++ memmove()](https://www.programiz.com/cpp-programming/library-function/cstring/memmove)

copies memory even if there is overlapping blocks

[C++ strcpy()](https://www.programiz.com/cpp-programming/library-function/cstring/strcpy)

copies character string from source to destination

[C++ strncpy()](https://www.programiz.com/cpp-programming/library-function/cstring/strncpy)

copies character string from source to destination

[C++ strncat()](https://www.programiz.com/cpp-programming/library-function/cstring/strncat)

appends string to end of another string

[C++ memcmp()](https://www.programiz.com/cpp-programming/library-function/cstring/memcmp)

compares two pointer objects

[C++ strncmp()](https://www.programiz.com/cpp-programming/library-function/cstring/strncmp)

compares two strings lexographically

[C++ strcmp()](https://www.programiz.com/cpp-programming/library-function/cstring/strcmp)

compare two strings

[C++ memchr()](https://www.programiz.com/cpp-programming/library-function/cstring/memchr)

searches for character in string

[C++ strchr()](https://www.programiz.com/cpp-programming/library-function/cstring/strchr)

searches for character in string

[C++ strrchr()](https://www.programiz.com/cpp-programming/library-function/cstring/strrchr)

searches last occurence of a character in string

[C++ strspn()](https://www.programiz.com/cpp-programming/library-function/cstring/strspn)

gives length of maximum initial segment

[C++ strcspn()](https://www.programiz.com/cpp-programming/library-function/cstring/strcspn)

searches a string for characters in another string

[C++ strpbrk()](https://www.programiz.com/cpp-programming/library-function/cstring/strpbrk)

search characters in one string in another string

[C++ strstr()](https://www.programiz.com/cpp-programming/library-function/cstring/strstr)

finds first occurrence of a substring in string

[C++ strtok()](https://www.programiz.com/cpp-programming/library-function/cstring/strtok)

split string based on delimiter

[C++ memset()](https://www.programiz.com/cpp-programming/library-function/cstring/memset)

copies character to beginning of string n times

[C++ strerror()](https://www.programiz.com/cpp-programming/library-function/cstring/strerror)

gives description of system error code

[C++ strlen()](https://www.programiz.com/cpp-programming/library-function/cstring/strlen)

returns length of given string

[C++ strcoll()](https://www.programiz.com/cpp-programming/library-function/cstring/strcoll)

compares two null terminated string

[C++ strxfrm()](https://www.programiz.com/cpp-programming/library-function/cstring/strxfrm)

transform byte string into implementation def form

[**C++ <cctype>**](https://www.programiz.com/cpp-programming/library-function/cctype)

[C++ isalpha()](https://www.programiz.com/cpp-programming/library-function/cctype/isalpha)

checks if given character is alphabet or not

[C++ isblank()](https://www.programiz.com/cpp-programming/library-function/cctype/isblank)

checks if given character is a blank character

[C++ iscntrl()](https://www.programiz.com/cpp-programming/library-function/cctype/iscntrl)

checks if given character is control character

[C++ isdigit()](https://www.programiz.com/cpp-programming/library-function/cctype/isdigit)

checks if given character is a digit or not

[C++ isgraph()](https://www.programiz.com/cpp-programming/library-function/cctype/isgraph)

checks if given character is graphic or not

[C++ islower()](https://www.programiz.com/cpp-programming/library-function/cctype/islower)

checks if given character is lowercase

[C++ isspace()](https://www.programiz.com/cpp-programming/library-function/cctype/isspace)

check if given character is whitespace character

[C++ isupper()](https://www.programiz.com/cpp-programming/library-function/cctype/isupper)

check if given character is uppercase or not

[C++ isprint()](https://www.programiz.com/cpp-programming/library-function/cctype/isprint)

check if given character is printable or not

[C++ ispunct()](https://www.programiz.com/cpp-programming/library-function/cctype/ispunct)

check if given character is punctuation character

[C++ isxdigit()](https://www.programiz.com/cpp-programming/library-function/cctype/isxdigit)

checks if given character is hexadecimal character

[C++ tolower()](https://www.programiz.com/cpp-programming/library-function/cctype/tolower)

converts a given character to lowercase

[C++ toupper()](https://www.programiz.com/cpp-programming/library-function/cctype/toupper)

converts a given character to uppercase

[**C++ <csignal>**](https://www.programiz.com/cpp-programming/library-function/csignal)

[C++ signal()](https://www.programiz.com/cpp-programming/library-function/csignal/signal)

sets error handler for specifiied signal

[C++ raise()](https://www.programiz.com/cpp-programming/library-function/csignal/raise)

sends signal to the program

[**C++ <clocale>**](https://www.programiz.com/cpp-programming/library-function/clocale)

[C++ setlocale()](https://www.programiz.com/cpp-programming/library-function/clocale/setlocale)

sets locale information for the current program

[C++ localeconv()](https://www.programiz.com/cpp-programming/library-function/clocale/localeconv)

returns current locale formatting rules

[**C++ <cwctype>**](https://www.programiz.com/cpp-programming/library-function/cwctype)

[C++ iswspace()](https://www.programiz.com/cpp-programming/library-function/cwctype/iswspace)

checks if given wide character is wide whitespace

[C++ iswgraph()](https://www.programiz.com/cpp-programming/library-function/cwctype/iswgraph)

checks if wide char has graphical representation

[C++ iswupper()](https://www.programiz.com/cpp-programming/library-function/cwctype/iswupper)

checks if given wide character is uppercase

[C++ iswalnum()](https://www.programiz.com/cpp-programming/library-function/cwctype/iswalnum)

checks if given wide character is alphanumeric

[C++ iswlower()](https://www.programiz.com/cpp-programming/library-function/cwctype/iswlower)

checks if given wide character is lowercase

[C++ iswalpha()](https://www.programiz.com/cpp-programming/library-function/cwctype/iswalpha)

checks if given wide character is an alphabet

[C++ iswprint()](https://www.programiz.com/cpp-programming/library-function/cwctype/iswprint)

checks if given wide character can be printed

[C++ iswblank()](https://www.programiz.com/cpp-programming/library-function/cwctype/iswblank)

checks if given wide character is blank character

[C++ iswpunct()](https://www.programiz.com/cpp-programming/library-function/cwctype/iswpunct)

checks if given wide character is punctuation

[C++ iswcntrl()](https://www.programiz.com/cpp-programming/library-function/cwctype/iswcntrl)

checks if given wide char is control character

[C++ iswctype()](https://www.programiz.com/cpp-programming/library-function/cwctype/iswctype)

checks if given wide char has certain property

[C++ towctrans()](https://www.programiz.com/cpp-programming/library-function/cwctype/iswctrans)

transforms a given wide character

[C++ iswxdigit()](https://www.programiz.com/cpp-programming/library-function/cwctype/iswxdigit)

checks if given wide character is hexadecimal num

[C++ wctrans()](https://www.programiz.com/cpp-programming/library-function/cwctype/wctrans)

returns current transformation for wide character

[C++ towlower()](https://www.programiz.com/cpp-programming/library-function/cwctype/tolower)

converts given wide character to lowercase

[C++ wctype()](https://www.programiz.com/cpp-programming/library-function/cwctype/wctype)

returns wide character classification

[C++ towupper()](https://www.programiz.com/cpp-programming/library-function/cwctype/towupper)

converts given wide character to uppercase

[C++ iswdigit()](https://www.programiz.com/cpp-programming/library-function/cwctype/iswdigit)

checks if given wide character is digit or not

[**C++ <cstdio>**](https://www.programiz.com/cpp-programming/library-function/cstdio)

[C++ remove()](https://www.programiz.com/cpp-programming/library-function/cstdio/remove)

deletes the specified file

[C++ rename()](https://www.programiz.com/cpp-programming/library-function/cstdio/rename)

renames or moves specified file

[C++ tmpfile()](https://www.programiz.com/cpp-programming/library-function/cstdio/tmpfile)

creates temporary file with auto-generated name

[C++ fclose()](https://www.programiz.com/cpp-programming/library-function/cstdio/fclose)

closes given file stream

[C++ fopen()](https://www.programiz.com/cpp-programming/library-function/cstdio/fopen)

opens specified file

[C++ setbuf()](https://www.programiz.com/cpp-programming/library-function/cstdio/setbuf)

sets the internal buffer to be used for I/O

[C++ tmpnam()](https://www.programiz.com/cpp-programming/library-function/cstdio/tmpnam)

generates unique filename

[C++ fscanf()](https://www.programiz.com/cpp-programming/library-function/cstdio/fscanf)

read data from file stream

[C++ printf()](https://www.programiz.com/cpp-programming/library-function/cstdio/printf)

write formatted string to stdout

[C++ scanf](https://www.programiz.com/cpp-programming/library-function/cstdio/scanf)

read data form stdin

[C++ fprintf()](https://www.programiz.com/cpp-programming/library-function/cstdio/fprintf)

write a formatted string to file stream

[C++ sscanf()](https://www.programiz.com/cpp-programming/library-function/cstdio/sscanf)

read data from string buffer

[C++ snprintf()](https://www.programiz.com/cpp-programming/library-function/cstdio/snprintf)

write formatted string to character string buffer

[C++ sprintf()](https://www.programiz.com/cpp-programming/library-function/cstdio/sprintf)

write a formatted string to buffer

[C++ vfprintf()](https://www.programiz.com/cpp-programming/library-function/cstdio/vfprintf)

write formatted string to file stream

[C++ vprintf()](https://www.programiz.com/cpp-programming/library-function/cstdio/vprintf)

printf but takes args from vlist instead

[C++ vsnprintf()](https://www.programiz.com/cpp-programming/library-function/cstdio/vsnprintf)

write formatted string to string buffer

[C++ vsprintf()](https://www.programiz.com/cpp-programming/library-function/cstdio/vsprintf)

write formatted string to a string buffer

[C++ fgetc()](https://www.programiz.com/cpp-programming/library-function/cstdio/fgetc)

reads the next character from given input stream

[C++ fgets()](https://www.programiz.com/cpp-programming/library-function/cstdio/fgets)

reads n number of characters from file stream

[C++ fputc()](https://www.programiz.com/cpp-programming/library-function/cstdio/fputc)

writes character to given output stream

[C++ fputs()](https://www.programiz.com/cpp-programming/library-function/cstdio/fputs)

writes string to file stream

[C++ getchar()](https://www.programiz.com/cpp-programming/library-function/cstdio/getchar)

reads next character from stdin

[C++ gets()](https://www.programiz.com/cpp-programming/library-function/cstdio/gets)

reads line from stdin

[C++ putc()](https://www.programiz.com/cpp-programming/library-function/cstdio/putc)

writes character to given output stream

[C++ putchar()](https://www.programiz.com/cpp-programming/library-function/cstdio/putchar)

writes a character to stdout

[C++ fread()](https://www.programiz.com/cpp-programming/library-function/cstdio/fread)

reads specified no. of characters from stream

[C++ fwrite()](https://www.programiz.com/cpp-programming/library-function/cstdio/fwrite)

writes specified number of characters to stream

[C++ fgetpos()](https://www.programiz.com/cpp-programming/library-function/cstdio/fgetpos)

gets current file position

[C++ fsetpos()](https://www.programiz.com/cpp-programming/library-function/cstdio/fsetpos)

sets stream file pointer to given position

[C++ puts()](https://www.programiz.com/cpp-programming/library-function/cstdio/puts)

writes string to stdout

[C++ ftell()](https://www.programiz.com/cpp-programming/library-function/cstdio/ftell)

returns current position of file pointer

[C++ perror()](https://www.programiz.com/cpp-programming/library-function/cstdio/perror)

prints error to stderr

[C++ rewind()](https://www.programiz.com/cpp-programming/library-function/cstdio/rewind)

sets file position to beginning of stream

[C++ clearerr()](https://www.programiz.com/cpp-programming/library-function/cstdio/clearerr)

resets error flags and EOF indicator for stream

[C++ feof() function](https://www.programiz.com/cpp-programming/library-function/cstdio/feof)

checks if file stream EOF has been reached or not

[C++ ferror()](https://www.programiz.com/cpp-programming/library-function/cstdio/ferror)

checks for errors in given stream

[C++ setvbuf()](https://www.programiz.com/cpp-programming/library-function/cstdio/setvbuf)

change or specify buffering mode and buffer size

[C++ vfscanf()](https://www.programiz.com/cpp-programming/library-function/cstdio/vfscanf)

read data from a file stream

[C++ fflush()](https://www.programiz.com/cpp-programming/library-function/cstdio/fflush)

flushes any buffered data to the respective device

[C++ freopen()](https://www.programiz.com/cpp-programming/library-function/cstdio/freopen)

opens a new file with stream associated to another

[C++ vscanf()](https://www.programiz.com/cpp-programming/library-function/cstdio/vscanf)

read data from stdin

[C++ vsscanf()](https://www.programiz.com/cpp-programming/library-function/cstdio/vsscanf)

read data from a string buffer

[C++ ungetc()](https://www.programiz.com/cpp-programming/library-function/cstdio/ungetc)

push previously read character back to the stream

[C++ fseek()](https://www.programiz.com/cpp-programming/library-function/cstdio/fseek)

sets file position indicator for given file stream

[C++ getc()](https://www.programiz.com/cpp-programming/library-function/cstdio/getc)

reads next character from input stream

[**C++ <cwchar>**](https://www.programiz.com/cpp-programming/library-function/cwchar)

[C++ fwide()](https://www.programiz.com/cpp-programming/library-function/cwchar/fwide)

set or query orientation of given file stream

[C++ fgetwc()](https://www.programiz.com/cpp-programming/library-function/cwchar/fgetwc)

reads next wide character from given input stream

[C++ fgetws()](https://www.programiz.com/cpp-programming/library-function/cwchar/fgetws)

reads specified num of wide characters from stream

[C++ fputwc()](https://www.programiz.com/cpp-programming/library-function/cwchar/fputwc)

writes wide character to the given output stream

[C++ fputws()](https://www.programiz.com/cpp-programming/library-function/cwchar/fputws)

writes wide string except null wide char to output

[C++ fwprintf()](https://www.programiz.com/cpp-programming/library-function/cwchar/fwprintf)

write formatted wide string to a file stream

[C++ fwscanf()](https://www.programiz.com/cpp-programming/library-function/cwchar/fwscanf)

reads wide character from file stream

[C++ getwc()](https://www.programiz.com/cpp-programming/library-function/cwchar/getwc)

reads next wide character from input stream

[C++ getwchar()](https://www.programiz.com/cpp-programming/library-function/cwchar/getwchar)

reads next wide character from stdin

[C++ ungetwc()](https://www.programiz.com/cpp-programming/library-function/cwchar/ungetwc)

push previously read wide character back to stream

[C++ putwc()](https://www.programiz.com/cpp-programming/library-function/cwchar/putwc)

writes wide character to the given output stream

[C++ vfwprintf()](https://www.programiz.com/cpp-programming/library-function/cwchar/vfwprintf)

write formatted wide string to a file stream

[C++ putwchar()](https://www.programiz.com/cpp-programming/library-function/cwchar/putwchar)

writes wide character to stdout

[C++ vfwscanf()](https://www.programiz.com/cpp-programming/library-function/cwchar/vfwscanf)

read wide character string from a file stream

[C++ swprintf()](https://www.programiz.com/cpp-programming/library-function/cwchar/swprintf)

write formatted wide string to wide string buffer

[C++ vswprintf()](https://www.programiz.com/cpp-programming/library-function/cwchar/vswprintf)

write formatted wide string to wide string buffer

[C++ swscanf()](https://www.programiz.com/cpp-programming/library-function/cwchar/swscanf)

reads wide character from wide string buffer

[C++ vwprintf()](https://www.programiz.com/cpp-programming/library-function/cwchar/vwprintf)

write formatted wide string to stdout

[C++ vwscanf()](https://www.programiz.com/cpp-programming/library-function/cwchar/vwscanf)

read wide character from stdin

[C++ wprintf()](https://www.programiz.com/cpp-programming/library-function/cwchar/wprintf)

write formatted wide string to stdout

[C++ wscanf()](https://www.programiz.com/cpp-programming/library-function/cwchar/wscanf)

reads wide character from stdin

[C++ vswscanf()](https://www.programiz.com/cpp-programming/library-function/cwchar/vswscanf)

read wide character string from wide string buffer

[C++ wcstod()](https://www.programiz.com/cpp-programming/library-function/cwchar/wcstod)

converts wide string float number to double

[C++ wcstof()](https://www.programiz.com/cpp-programming/library-function/cwchar/wcstof)

converts wide string float number to float

[C++ wcstol()](https://www.programiz.com/cpp-programming/library-function/cwchar/wcstol)

converts wide string float number to long int

[C++ wcstold()](https://www.programiz.com/cpp-programming/library-function/cwchar/wcstold)

converts wide string float number to long double

[C++ wcstok()](https://www.programiz.com/cpp-programming/library-function/cwchar/wcstok)

returns next token in null terminated wide string

[C++ mbsrtowcs()](https://www.programiz.com/cpp-programming/library-function/cwchar/mbsrtowcs)

convert narrow multibyte char seq to wide char seq

[C++ wcschr()](https://www.programiz.com/cpp-programming/library-function/cwchar/wcschr)

searches for a wide character in a wide string

[C++ btowc()](https://www.programiz.com/cpp-programming/library-function/cwchar/btowc)

converts character to its wide character

[C++ wcrtomb()](https://www.programiz.com/cpp-programming/library-function/cwchar/wcrtomb)

convert wide character to its narrow multibyte rep

[C++ mbrlen()](https://www.programiz.com/cpp-programming/library-function/cwchar/mbrlen)

determines size in bytes of a multibyte character

[C++ wctob()](https://www.programiz.com/cpp-programming/library-function/cwchar/wctob)

converts wide character to single byte character

[C++ mbrtowc()](https://www.programiz.com/cpp-programming/library-function/cwchar/mbrtowc)

converts narrow multibyte char to wide char

[C++ wcsrtombs()](https://www.programiz.com/cpp-programming/library-function/cwchar/wcsrtombs)

convert wide char seq to narrow multibyte char seq

[C++ mbsinit()](https://www.programiz.com/cpp-programming/library-function/cwchar/mbsinit)

describe initial conversion state of mbstate\_t obj

[C++ wcscat()](https://www.programiz.com/cpp-programming/library-function/cwchar/wcscat)

appends copy of wide string to the end of another

[C++ wcslen()](https://www.programiz.com/cpp-programming/library-function/cwchar/wcslen)

returns length of the given wide string

[C++ wcsncat()](https://www.programiz.com/cpp-programming/library-function/cwchar/wcsncat)

appends specified num of wide char to another str

[C++ wcscmp()](https://www.programiz.com/cpp-programming/library-function/cwchar/wcscmp)

lexicographically compares two wide string

[C++ wcsncmp()](https://www.programiz.com/cpp-programming/library-function/cwchar/wcsncmp)

compares specified number of wide char of strings

[C++ wcscpy()](https://www.programiz.com/cpp-programming/library-function/cwchar/wcscpy)

copies wide character string from source to dest

[C++ wcscspn()](https://www.programiz.com/cpp-programming/library-function/cwchar/wcscspn)

returns number of wide char before first occurence

[C++ wcsrchr()](https://www.programiz.com/cpp-programming/library-function/cwchar/wcsrchr)

searches last occurrence of wide char in string

[C++ wcsspn()](https://www.programiz.com/cpp-programming/library-function/cwchar/wcsspn)

returns length of maximum initial segment

[C++ wcsstr()](https://www.programiz.com/cpp-programming/library-function/cwchar/wcsstr)

finds first occurrence of wide substring in a str

[C++ wcsncpy()](https://www.programiz.com/cpp-programming/library-function/cwchar/wcsncpy)

copies specified number of wide characters

[C++ wcsxfrm()](https://www.programiz.com/cpp-programming/library-function/cwchar/wcsxfrm)

transforms wide string to implementation defined

[C++ wcspbrk()](https://www.programiz.com/cpp-programming/library-function/cwchar/wcspbrk)

searches for set of wide char in given wide string

[C++ wcsftime()](https://www.programiz.com/cpp-programming/library-function/cwchar/wcsftime)

converts given date and time to wide character str

[C++ wmemcmp()](https://www.programiz.com/cpp-programming/library-function/cwchar/wmemcmp)

compares wide chars of two wide strings

[C++ wmemcpy()](https://www.programiz.com/cpp-programming/library-function/cwchar/wmemcpy)

copies specified num of wide char from src to dest

[C++ wmemmove()](https://www.programiz.com/cpp-programming/library-function/cwchar/wmemmove)

moves wide chars from src to dest

[C++ wmemset()](https://www.programiz.com/cpp-programming/library-function/cwchar/wmemset)

copies single wide char for a certain num of time

[C++ wmemchr()](https://www.programiz.com/cpp-programming/library-function/cwchar/wmemchr)

searches for first occurrence of wide char

[C++ wcstoll()](https://www.programiz.com/cpp-programming/library-function/cwchar/wcstoll)

converts wide string of specified base to int

[C++ wcstoul()](https://www.programiz.com/cpp-programming/library-function/cwchar/wcstoul)

converts wide str of given base to unsigned long

[C++ wcstoull()](https://www.programiz.com/cpp-programming/library-function/cwchar/wcstoull)

converts wide string num to unsigned long long

[C++ wcscoll()](https://www.programiz.com/cpp-programming/library-function/cwchar/wcscoll)

compares two null terminated wide string

[**C++ <cuchar>**](https://www.programiz.com/cpp-programming/library-function/cuchar)

[C++ c16rtomb()](https://www.programiz.com/cpp-programming/library-function/cuchar/c16rtomb)

converts 16 bit char to narrow multibyte char

[C++ c32rtomb()](https://www.programiz.com/cpp-programming/library-function/cuchar/c32rtomb)

converts 32 bit char to narrow multibyte char

[C++ mbrtoc16()](https://www.programiz.com/cpp-programming/library-function/cuchar/mbrtoc16)

converts narrow multibyte char to 16 bit char

[C++ mbrtoc32()](https://www.programiz.com/cpp-programming/library-function/cuchar/mbrtoc32)

converts narrow multibyte char to 32 bit char

[**C++ <csetjmp>**](https://www.programiz.com/cpp-programming/library-function/csetjmp)

[C++ longjmp() and setjmp()](https://www.programiz.com/cpp-programming/library-function/csetjmp/longjmp)

restores previously saved environment

[**C++ <cfenv>**](https://www.programiz.com/cpp-programming/library-function/cfenv)

[C++ feclearexcept()](https://www.programiz.com/cpp-programming/library-function/cfenv/feclearexcept)

attempts to clear floating point exception flags

[C++ feraiseexcept()](https://www.programiz.com/cpp-programming/library-function/cfenv/feraiseexcept)

raises floating point exceptions specified

[C++ fegetexceptflag()](https://www.programiz.com/cpp-programming/library-function/cfenv/fegetexceptflag)

gets floating point exception flags

[C++ fesetexceptflag()](https://www.programiz.com/cpp-programming/library-function/cfenv/fesetexceptflag)

sets given floating point exceptions to the env

[C++ fegetround()](https://www.programiz.com/cpp-programming/library-function/cfenv/fegetround)

gets round direction mode

[C++ fegetenv()](https://www.programiz.com/cpp-programming/library-function/cfenv/fegetenv)

store status of floating point env in an object

[C++ feholdexcept()](https://www.programiz.com/cpp-programming/library-function/cfenv/feholdexcept)

saves and clear floating point status flags

[C++ feupdateenv()](https://www.programiz.com/cpp-programming/library-function/cfenv/feupdateenv)

updates floating point environment

[C++ fetestexcept()](https://www.programiz.com/cpp-programming/library-function/cfenv/fetestexcept)

tests floating point exception

[C++ fesetround()](https://www.programiz.com/cpp-programming/library-function/cfenv/fesetround)

set rounding direction

[C++ fesetenv()](https://www.programiz.com/cpp-programming/library-function/cfenv/fesetenv)

set floating point environment

[**C++ <ctime>**](https://www.programiz.com/cpp-programming/library-function/ctime)

[C++ clock()](https://www.programiz.com/cpp-programming/library-function/ctime/clock)

returns processor time consumed by program

[C++ difftime()](https://www.programiz.com/cpp-programming/library-function/ctime/difftime)

computes difference between two times in seconds

[C++ time()](https://www.programiz.com/cpp-programming/library-function/ctime/time)

returns current calendar time

[C++ ctime()](https://www.programiz.com/cpp-programming/library-function/ctime/ctime)

converts time since epoch to char representation

[C++ asctime()](https://www.programiz.com/cpp-programming/library-function/ctime/asctime)

converts calendar time to character representation

[C++ gmtime()](https://www.programiz.com/cpp-programming/library-function/ctime/gmtime)

converts given time since epoch to UTC time

[C++ localtime()](https://www.programiz.com/cpp-programming/library-function/ctime/localtime)

converts given time since epoch to local time

[C++ mktime()](https://www.programiz.com/cpp-programming/library-function/ctime/mktime)

converts local calendar time to time since epoch

[C++ strftime()](https://www.programiz.com/cpp-programming/library-function/ctime/strftime)

converts calendar time to multibyte character str