**<string>**

**Strings**

This header introduces string types, character traits and a set of converting functions:

**Class templates**

[**basic\_string**](http://www.cplusplus.com/reference/string/basic_string/)

Generic string class (class template )

[**char\_traits**](http://www.cplusplus.com/reference/string/char_traits/)

Character traits (class template )

**Class instantiations**

[**string**](http://www.cplusplus.com/reference/string/string/)

String class (class )

[**u16string**](http://www.cplusplus.com/reference/string/u16string/)

String of 16-bit characters (class )

[**u32string**](http://www.cplusplus.com/reference/string/u32string/)

String of 32-bit characters (class )

[**wstring**](http://www.cplusplus.com/reference/string/wstring/)

Wide string (class )

**Functions**

**Convert from strings**

[**stoi**](http://www.cplusplus.com/reference/string/stoi/)

Convert string to integer (function template )

[**stol**](http://www.cplusplus.com/reference/string/stol/)

Convert string to long int (function template )

[**stoul**](http://www.cplusplus.com/reference/string/stoul/)

Convert string to unsigned integer (function template )

[**stoll**](http://www.cplusplus.com/reference/string/stoll/)

Convert string to long long (function template )

[**stoull**](http://www.cplusplus.com/reference/string/stoull/)

Convert string to unsigned long long (function template )

[**stof**](http://www.cplusplus.com/reference/string/stof/)

Convert string to float (function template )

[**stod**](http://www.cplusplus.com/reference/string/stod/)

Convert string to double (function template )

[**stold**](http://www.cplusplus.com/reference/string/stold/)

Convert string to long double (function template )

**Convert to strings**

[**to\_string**](http://www.cplusplus.com/reference/string/to_string/)

Convert numerical value to string (function )

[**to\_wstring**](http://www.cplusplus.com/reference/string/to_wstring/)

Convert numerical value to wide string (function )

**Range access**

[**begin**](http://www.cplusplus.com/reference/iterator/begin/)

Iterator to beginning (function template )

[**end**](http://www.cplusplus.com/reference/iterator/end/)

Iterator to end (function template )