

Standard C++ Library Reference

<string> Members

Typedefs

string A type that describes a specialization of the template class `basic_string` with elements of type **char** as a string.

wstring A type that describes a specialization of the template class `basic_string` with elements of type **wchar_t** as a wstring.

Operators

operator!= Tests if the string object on the left side of the operator is not equal to the string object on the right side.

operator== Tests if the string object on the left side of the operator is equal to the string object on the right side.

operator< Tests if the string object on the left side of the operator is less than to the string object on the right side.

operator<< A template function that inserts a string into the output stream.

operator<= Tests if the string object on the left side of the operator is less than or equal to the string object on the right side.

operator> Tests if the string object on the left side of the operator is greater than to the string object on the right side.

operator>= Tests if the string object on the left side of the operator is greater than or equal to the string object on the right side.

operator>> A template function that extracts a string from the input stream.

operator+ Concatenates two string objects.

Specialized Template Functions

swap Exchanges the arrays of characters of two strings.

Functions

getline Extract strings from the input stream line by line.

Classes

basic_string Class A template class that describes objects that can store a sequence of arbitrary character-like objects.

char_traits Class A template class that describes attributes associated with a character of type **CharType**

Specializations

char_traits<char> Class A class that is a specialization of the template class `char_traits<CharType>` to an element of type **char**.

char_traits<wchar_t> Class A class that is a specialization of the template class `char_traits<CharType>` to an element of type **wchar_t**.