

String

<i>fx</i> Member functions	
(constructor)	Construct string object (public member function)
(destructor)	String destructor (public member function)
operator=	String assignment (public member function)

Iterators:

begin	Return iterator to beginning (public member function)
end	Return iterator to end (public member function)
rbegin	Return reverse iterator to reverse beginning (public member function)
rend	Return reverse iterator to reverse end (public member function)
cbegin C++11	Return const_iterator to beginning (public member function)
cend C++11	Return const_iterator to end (public member function)
crbegin C++11	Return const_reverse_iterator to reverse beginning (public member function)
crend C++11	Return const_reverse_iterator to reverse end (public member function)

Capacity:

size	Return length of string (public member function)
length	Return length of string (public member function)
max_size	Return maximum size of string (public member function)
resize	Resize string (public member function)
capacity	Return size of allocated storage (public member function)
reserve	Request a change in capacity (public member function)
clear	Clear string (public member function)
empty	Test if string is empty (public member function)
shrink_to_fit C++11	Shrink to fit (public member function)

Element access:

operator[]	Get character of string (public member function)
at	Get character in string (public member function)
back C++11	Access last character (public member function)
front C++11	Access first character (public member function)

Modifiers:

operator+=	Append to string (public member function)
append	Append to string (public member function)
push_back	Append character to string (public member function)
assign	Assign content to string (public member function)
insert	Insert into string (public member function)
erase	Erase characters from string (public member function)
replace	Replace portion of string (public member function)
swap	Swap string values (public member function)
pop_back C++11	Delete last character (public member function)

String operations:

c_str	Get C string equivalent (public member function)
data	Get string data (public member function)
get_allocator	Get allocator (public member function)
copy	Copy sequence of characters from string (public member function)
find	Find content in string (public member function)
rfind	Find last occurrence of content in string (public member function)
find_first_of	Find character in string (public member function)
find_last_of	Find character in string from the end (public member function)
find_first_not_of	Find absence of character in string (public member function)
find_last_not_of	Find non-matching character in string from the end (public member function)
substr	Generate substring (public member function)
compare	Compare strings (public member function)

fx Member constants

npos	Maximum value for size_t (public static member constant)
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fx Non-member function overloads

operator+	Concatenate strings (function)
relational operators	Relational operators for string (function)
swap	Exchanges the values of two strings (function)
operator>>	Extract string from stream (function)
operator<<	Insert string into stream (function)
getline	Get line from stream into string (function)

Vector

fx Member functions

(constructor)	Construct vector (public member function)
(destructor)	Vector destructor (public member function)
operator=	Assign content (public member function)

Iterators:

begin	Return iterator to beginning (public member function)
end	Return iterator to end (public member function)
rbegin	Return reverse iterator to reverse beginning (public member function)
rend	Return reverse iterator to reverse end (public member function)
cbegin C++11	Return const_iterator to beginning (public member function)
cend C++11	Return const_iterator to end (public member function)
crbegin C++11	Return const_reverse_iterator to reverse beginning (public member function)
crend C++11	Return const_reverse_iterator to reverse end (public member function)

Capacity:

size	Return size (public member function)
max_size	Return maximum size (public member function)
resize	Change size (public member function)
capacity	Return size of allocated storage capacity (public member function)
empty	Test whether vector is empty (public member function)
reserve	Request a change in capacity (public member function)
shrink_to_fit C++11	Shrink to fit (public member function)

Element access:

operator[]	Access element (public member function)
at	Access element (public member function)
front	Access first element (public member function)
back	Access last element (public member function)
data C++11	Access data (public member function)

Modifiers:

assign	Assign vector content (public member function)
push_back	Add element at the end (public member function)
pop_back	Delete last element (public member function)
insert	Insert elements (public member function)
erase	Erase elements (public member function)
swap	Swap content (public member function)
clear	Clear content (public member function)
emplace C++11	Construct and insert element (public member function)
emplace_back C++11	Construct and insert element at the end (public member function)

Allocator:

get_allocator	Get allocator (public member function)
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

fx Non-member function overloads

relational operators	Relational operators for vector (function template)
swap	Exchange contents of vectors (function template)

● Template specializations


vector<bool>	Vector of bool (class template specialization)
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Fstream

<i>fx</i> Public member functions	
(constructor)	Construct object and optionally open file (public member function)
open	Open file (public member function)
is_open	Check if a file is open (public member function)
close	Close file (public member function)
rdbuf	Get the associated filebuf object (public member function)
operator= 	Move assignment (public member function)
swap 	Swap internals (public member function)

<i>fx</i> Public member functions inherited from istream	
operator>>	Extract formatted input (public member function)
gcount	Get character count (public member function)
get	Get characters (public member function)
getline	Get line (public member function)
ignore	Extract and discard characters (public member function)
peek	Peek next character (public member function)
read	Read block of data (public member function)
readsome	Read data available in buffer (public member function)
putback	Put character back (public member function)
unget	Unget character (public member function)
tellg	Get position in input sequence (public member function)
seekg	Set position in input sequence (public member function)
sync	Synchronize input buffer (public member function)

<i>fx</i> Public member functions inherited from ostream	
operator<<	Insert formatted output (public member function)
put	Put character (public member function)
write	Write block of data (public member function)
tellp	Get position in output sequence (public member function)
seekp	Set position in output sequence (public member function)
flush	Flush output stream buffer (public member function)

<i>fx</i> Public member functions inherited from ios	
good	Check whether state of stream is good (public member function)
eof	Check whether eofbit is set (public member function)
fail	Check whether either failbit or badbit is set (public member function)
bad	Check whether badbit is set (public member function)
operator!	Evaluate stream (not) (public member function)
operator bool 	Evaluate stream (public member function)
rdstate	Get error state flags (public member function)
setstate	Set error state flag (public member function)
clear	Set error state flags (public member function)
copyfmt	Copy formatting information (public member function)
fill	Get/set fill character (public member function)
exceptions	Get/set exceptions mask (public member function)
imbue	Imbue locale (public member function)
tie	Get/set tied stream (public member function)
rdbuf	Get/set stream buffer (public member function)
narrow	Narrow character (public member function)
widen	Widen character (public member function)

<i>fx</i> Public member functions inherited from ios_base	
flags	Get/set format flags (public member function)
setf	Set specific format flags (public member function)
unsetf	Clear specific format flags (public member function)
precision	Get/Set floating-point decimal precision (public member function)
width	Get/set field width (public member function)
imbue	Imbue locale (public member function)
getloc	Get current locale (public member function)
xalloc	Get new index for extensible array [static] (public static member function)
iword	Get integer element of extensible array (public member function)
pword	Get pointer element of extensible array (public member function)
register_callback	Register event callback function (public member function)
sync_with_stdio	Toggle synchronization with cstdio streams [static] (public static member function)

<i>fx</i> Non-member function overloads	
swap 	Swap file streams (function template)