

Constructors vector(); vector(const vector& c); vector(size_type num, const TYPE& val = TYPE()); vector(input_iterator start, input_iterator end); ~vector(); Operators TYPE& operator [] (size_type index); const TYPE& operator [] (size_type index) const; vector operator = (const vector& v2); bool operator == (const vector& v1, const vector& v2); bool operator != (const vector& v1, const vector& v2); bool operator < (const vector& v1, const vector& v2); bool operator >= (const vector& v1, const vector& v2); bool operator >= (const vector& v1, const vector& v2); bool operator >= (const vector& v1, const vector& v2); bool operator >= (const vector& v1, const vector& v2);

Members

<pre>void assign(size_type num, const TYPE& val); void assign(input_iterator start, input_iterator end);</pre>	Inserts <i>num</i> copies of <i>val</i> or copies the values from <i>start</i> to <i>end</i> into the vector. Erases any previous content in the vector.
TYPE& at(size_type loc); const TYPE & at(size_type loc) const;	Returns a reference to the element at index <i>loc</i> in the vector.
TYPE& back(); const TYPE& back() const;	Returns a reference to the vector's last element.
<pre>iterator begin(); const_iterator begin() const;</pre>	Returns an iterator to the first element of the vector.
size_type capacity() const;	Returns the number of allocated positions in the vector.
void clear();	Removes all the elements from the vector.
bool empty() const;	Returns true if the vector is empty.
<pre>iterator end(); const_iterator end() const;</pre>	Returns an iterator to the position just after the last element of the vector.
<pre>iterator erase(iterator loc); iterator erase(iterator start, iterator end);</pre>	Removes an element from the vector at index <i>loc</i> or removes the elements between <i>start</i> and <i>end</i> (including <i>start</i> and excluding <i>end</i>).
TYPE& front(); const TYPE& front() const;	Returns a reference to the first element of the vector.
<pre>iterator insert(iterator loc, const TYPE& val); void insert(iterator loc, size_type num, const TYPE& val); void insert(iterator loc, input_iterator start, input_iterator end);</pre>	Inserts val before <i>loc</i> , returning an iterator to that position. Inserts <i>num</i> copies of <i>val</i> before <i>loc</i> . Inserts the elements from <i>start</i> to <i>end</i> before the index <i>loc</i> .
size_type max_size() const;	Returns the maximum number of elements the vector can hold. This number isn't influenced by the vector's size or the number of allocated positions.
<pre>void pop_back();</pre>	Removes the element at the end of the vector.
<pre>void push_back(const TYPE& val);</pre>	Inserts val at the end of the vector.
reverse_iterator rbegin(); const_reverse_iterator rbegin() const;	Returns a reverse iterator to the end of the vector.
reverse_iterator rend(); const_reverse_iterator rend() const;	Returns a reverse iterator to the beginning of the vector.
<pre>void reserve(size_type size);</pre>	Sets the minimum capacity of the vector.
<pre>void resize(size_type num, const TYPE& val = TYPE());</pre>	Changes the size of the vector to num, and if <i>val</i> is specified the new elements will be set to <i>val</i> .
size_type size() const;	Returns the number of elements in the vector.
void swap(container& from);	Swaps the content of the vector with the content of container <i>from</i> .