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/* The following code example is taken from the book
 * "The C++ Standard Library - A Tutorial and Reference, 2nd Edition"
 * by Nicolai M. Josuttis, Addison-Wesley, 2012
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 * warranty, and with no claim as to its suitability for any purpose.
#include "algostuff.hpp"
using namespace std;
int main()
{
    vector(int) coll;
     INSERT ELEMENTS (col1, 1, 9);
    PRINT ELEMENTS (col1);
    // process sum of elements cout << "sum: "
           << accumulate (coll.cbegin(), coll.cend(), // range</pre>
                                                                // initial value
           << end1:
    // process sum of elements less 100
    cout << "sum:
           << accumulate (coll.cbegin(), coll.cend(), // range</pre>
                             -100
                                                                // initial value
           << end1:
    // process product of elements
    // range
                                                                // initial value // operation
                             1,
                             multiplies<int>())
           << end1;
    // process product of elements (use 0 as initial value)
    \texttt{cout} \, \mathrel{<\!\!\!<} \, \texttt{"product:}
                                                               // range
// initial value
// operation
           << accumulate (coll.cbegin(), coll.cend(),</pre>
                             multiplies<int>())
           << end1:
```