

```

/* 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
 *
 * (C) Copyright Nicolai M. Josuttis 2012.
 * Permission to copy, use, modify, sell and distribute this software
 * is granted provided this copyright notice appears in all copies.
 * This software is provided "as is" without express or implied
 * warranty, and with no claim as to its suitability for any purpose.
 */
#include "alghostuff.hpp"
using namespace std;

int main()
{
    vector<int> coll;

    INSERT_ELEMENTS(coll,1,6);
    PRINT_ELEMENTS(coll);

    // print all partial sums
    partial_sum (coll.cbegin(), coll.cend(),           // source range
                 ostream_iterator<int>(cout," "),      // destination
                 cout << endl;

    // print all partial products
    partial_sum (coll.cbegin(), coll.cend(),           // source range
                 ostream_iterator<int>(cout," "),      // destination
                 multiplies<int>());                   // operation
    cout << endl;
}

```