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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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 */
#include <iterator>
#include <algorithm>
#include <vector>
#include <string>
#include <iostream>
using namespace std;

int main()
{
    vector<string> coll;

    // read all words from the standard input
    // - source: all strings until end-of-file (or error)
    // - destination: coll (inserting)
    copy (istream_iterator<string>(cin),      // start of source
          istream_iterator<string>(),         // end of source
          back_inserter(coll));               // destination

    // sort elements
    sort (coll.begin(), coll.end());

    // print all elements without duplicates
    // - source: coll
    // - destination: standard output (with newline between elements)
    unique_copy (coll.cbegin(), coll.cend(),   // source
                 ostream_iterator<string>(cout, "\n")); // destination
}

```