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/* The following code example is taken from the book
 * "The C++ Standard Library – A Tutorial and Reference"
 * by Nicolai M. Josuttis, Addison-Wesley, 1999
 *
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 */
#include <iostream>
#include <vector>
#include <string>
#include <algorithm>
#include <iterator>
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.begin(), coll.end(),         // source
                 ostream_iterator<string>(cout, "\n")); // destination
}

```