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

int main()
{
    // create a string vector
    // - initialized by all words from standard input
    vector<string> coll((istream_iterator<string>(cin)),
                       istream_iterator<string>());

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

    // print all elements ignoring subsequent duplicates
    unique_copy (coll.cbegin(), coll.cend(),
                 ostream_iterator<string>(cout, "\n"));
}

```