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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 <string>
#include <iostream>
#include <algorithm>
#include <iterator>
#include <locale>
using namespace std;
int main()
    string input;
    // don't skip leading whitespaces
    cin.unsetf (ios::skipws);
    // read all characters while compressing whitespaces
    const locale& loc(cin.getloc()); // locale
    unique_copy(istream_iterator<char>(cin), // beginning of source istream_iterator<char>(), // end of source back_inserter(input), // destination
                   [=] (char c1, char c2) { // criterion for adj. duplicates
                       return isspace(c1, loc) && isspace(c2, loc);
                  });
    // process input
// - here: write it to the standard output
    cout << input;
```