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

int main()
{
    istream_iterator<string> cinPos(cin);
    ostream_iterator<string> coutPos(cout, " ");

    // while input is not at the end of the file
    // - write every third string
    while (cinPos != istream_iterator<string>()) {
        // ignore the following two strings
        advance (cinPos, 2);

        // read and write the third string
        if (cinPos != istream_iterator<string>()) {
            *coutPos++ = *cinPos++;
        }
    }
    cout << endl;
}

```