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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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 * warranty, and with no claim as to its suitability for any purpose.
 */
#include <iostream>
#include <iterator>
using namespace std;

int main()
{
    // create istream iterator that reads integers from cin
    istream_iterator<int> intReader(cin);

    // create end-of-stream iterator
    istream_iterator<int> intReaderEOF;

    // while able to read tokens with istream iterator
    // - write them twice
    while (intReader != intReaderEOF) {
        cout << "once:      " << *intReader << endl;
        cout << "once again: " << *intReader << endl;
        ++intReader;
    }
}

```