```
/* 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 <list>
#include <algorithm>
#include <iterator>
#include "print.hpp"
using namespace std;
int main()
    list(int) coll;
    // create front inserter for coll // - inconvenient way
    front insert iterator (list (int) > iter(coll);
    // insert elements with the usual iterator interface
    *iter = 1:
    iter++;
    *iter = 2;
    iter++;
    *iter = 3;
    PRINT ELEMENTS (col1);
    // create front inserter and insert elements
    // - convenient way
    front_inserter(coll) = 44;
    front inserter(coll) = 55;
    PRINT ELEMENTS (col1);
    // use front inserter to insert all elements again
    copy (coll.begin(), coll.end(), // source
           front_inserter(coll));
                                            // destination
    PRINT ELEMENTS (coll);
```