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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 <list>
#include <algorithm>
#include <iterator>
#include "print.hpp"
using namespace std;

int main()
{
    list<int> coll;

    // insert elements from 1 to 9
    for (int i=1; i<=9; ++i) {
        coll.push_back(i);
    }

    PRINT_ELEMENTS(coll);

    // swap first and second value
    iter_swap (coll.begin(), next(coll.begin()));

    PRINT_ELEMENTS(coll);

    // swap first and last value
    iter_swap (coll.begin(), prev(coll.end()));

    PRINT_ELEMENTS(coll);
}

```