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/* The following code example is taken from the book
 * "The C++ Standard Library - A Tutorial and Reference"
 * by Nicolai M. Josuttis, Addison-Wesley, 1999
 *
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 */
#include <algorithm>
#include <functional>
#include "carray.hpp"
#include "print.hpp"
using namespace std;

int main()
{
    carray<int, 10> a;

    for (unsigned i=0; i<a.size(); ++i) {
        a[i] = i+1;
    }
    PRINT_ELEMENTS(a);

    reverse(a.begin(), a.end());
    PRINT_ELEMENTS(a);

    transform(a.begin(), a.end(),          // source
              a.begin(),                    // destination
              negate<int>());               // operation
    PRINT_ELEMENTS(a);
}

```