```
/* 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 <array>
#include <algorithm>
#include <functional>
#include <numeric>
#include "print.hpp"
using namespace std;
int main()
    // create array with 10 ints
    array < int, 10 > a = \{ 11, 22, 33, 44 \};
    PRINT ELEMENTS (a);
    // modify last two elements
    a. back() = 99999999;
    a[a. size()-2] = 42;
    PRINT ELEMENTS (a);
    // process sum of all elements
    cout << "sum:
          << accumulate(a.begin(), a.end(), 0)</pre>
          << end1;
    // negate all elements
    transform(a.begin(), a.end(),
                                        // source
                                        // destination
                a.begin(),
                negate(int)());
                                        // operation
    PRINT ELEMENTS (a);
}
```