```
/* 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 <set>
#include <algorithm>
#include <iterator>
#include <iostream>
using namespace std;
int main()
    // unordered set with elements from 1 to 9
    set < int > coll = \{ 1, 2, 3, 4, 5, 6, 7, 8, 9 \};
    // print all elements of the collection
    cout << endl:
    // Remove all elements with value 3
    // - algorithm remove() does not work
// - instead member function erase() works
    int num = coll.erase(3);
    // print number of removed elements
    cout << "number of removed elements: " << num << endl;</pre>
    // print all elements of the modified collection
    cout << endl;
}
```