```
/* 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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 * warranty, and with no claim as to its suitability for any purpose.
 */
#include "algostuff.hpp"
using namespace std;
using namespace std::placeholders;
int main()
    list<int> coll1;
    INSERT ELEMENTS (coll1, 1, 6);
    INSERT ELEMENTS (coll1, 1, 9);
    PRINT ELEMENTS (coll1);
    // print elements without those having the value 3
                ostream_iterator<int>(cout, "
                                                      // destination
                 3):
                                                      // removed value
    cout << endl;
    // print elements without those having a value greater than 4
    return elem>4:
                    });
    cout << endl:
    // copy all elements not less than 4 into a multiset
    multiset <int> coll2;
    remove copy if (coll1.cbegin(), coll1.cend(),
                                                      // source
                    inserter(coll2, coll2.end()),
                                                      // destination
                                                      // elements NOT copied
                    bind(less\langle int \rangle(), 1,4));
    PRINT ELEMENTS (coll2);
}
```