```
/* 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;
int main()
    vector(int) coll;
    INSERT ELEMENTS (col1, 2, 6);
    INSERT ELEMENTS (col1, 4, 9);
    INSERT ELEMENTS (col1, 1, 7);
    PRINT ELEMENTS (col1, "col1:
                                                  ");
    // remove all elements with value 5
    vector(int)::iterator pos;
    pos = remove(coll.begin(), coll.end(),
                                                         // range
                                                         // value to remove
                                                  ");
    PRINT ELEMENTS (coll, "size not changed:
    // erase the "removed" elements in the container
    coll.erase(pos, coll.end());
                                                  ");
    PRINT_ELEMENTS (coll, "size changed:
    // remove all elements less than 4
    // remove criterion
                                return elem<4;
                coll. end());
                                                  ");
    PRINT ELEMENTS (coll, "<4 removed:
}
```