```
/* 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 <iostream>
#include <list>
#include <algorithm>
using namespace std;
int main()
    list(int) coll;
    // insert elements from 1 to 9
    for (int i=1; i <=9; ++i) {
         coll.push_back(i);
    // find position of element with value 5
    list<int>::iterator pos;
    pos = find (coll.begin(), coll.end(),
                                                   // range
                                                    // value
    // print value of the element
    cout << "pos:
                       " << *pos << endl;
    // convert iterator to reverse iterator
    list<int>::reverse iterator rpos(pos);
    // print value of the element to which the reverse iterator refers cout << "rpos: " << *rpos << endl;
    // convert reverse iterator back to normal iterator
    list<int>::iterator rrpos;
    rrpos = rpos.base();
    // print value of the element to which the normal iterator refers cout << "rrpos: " << *rrpos << endl;
}
```