```cpp
/* 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 <iterator>
#include <iostream>
#include <list>
#include <algorithm>
using namespace std;

int main()
{
    list<int> coll;

    // insert elements from -3 to 9
    for (int i=-3; i<=9; ++i) {
        coll.push_back(i);
    }

    // search element with value 5
    list<int>::iterator pos;
    pos = find (coll.begin(), coll.end(),    // range
                5);                          // value

    if (pos != coll.end()) {
        // process and print difference from the beginning
        cout << "difference between beginning and 5: "
             << distance(coll.begin(),pos) << endl;
    }
    else {
        cout << "5 not found" << endl;
    }
}
```