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/* 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 <list>
#include <iostream>
using namespace std;

int main()
{
    list<char> coll;          // list container for character elements

    // append elements from 'a' to 'z'
    for (char c='a'; c<='z'; ++c) {
        coll.push_back(c);
    }

    // print all elements:
    // - iterate over all elements
    list<char>::const_iterator pos;
    for (pos = coll.begin(); pos != coll.end(); ++pos) {
        cout << *pos << ' ';
    }
    cout << endl;
}

```