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/* 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>
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
     * - while there are elements
     * - print and remove the first element
     */
    while (! coll.empty()) {
        cout << coll.front() << ' ';
        coll.pop_front();
    }
    cout << endl;
}

```