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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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 */
#include <set>
#include <string>
#include <iostream>
using namespace std;

int main()
{
    multiset<string> cities {
        "Braunschweig", "Hanover", "Frankfurt", "New York",
        "Chicago", "Toronto", "Paris", "Frankfurt"
    };

    // print each element:
    for (const auto& elem : cities) {
        cout << elem << " ";
    }
    cout << endl;

    // insert additional values:
    cities.insert( {"London", "Munich", "Hanover", "Braunschweig"} );

    // print each element:
    for (const auto& elem : cities) {
        cout << elem << " ";
    }
    cout << endl;
}

```