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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 <vector>
#include <iostream>
using namespace std;

int main()
{
    vector<int> coll;    // vector container for integer elements

    // append elements with values 1 to 6
    for (int i=1; i<=6; ++i) {
        coll.push_back(i);
    }

    // print all elements followed by a space
    for (int i=0; i<coll.size(); ++i) {
        cout << coll[i] << ' ';
    }
    cout << endl;
}

```