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//
// Iterators Used with a Vector
// main.cpp
// AbsoluteCpp_ch19_1
//

//Program to demonstrate STL iterators.
#include <iostream>
#include <vector>
using std::cout;
using std::endl;
using std::vector;

int main() {

    vector<int> container;

    for (int i = 1; i <= 4; i++)
        container.push_back(i);

    cout << "Here is what is in the container:\n";
    vector<int>::iterator p;
    for (p = container.begin( ); p != container.end( ); p++)
        cout << *p << " ";
    cout << endl;

    cout << "Setting entries to 0:\n";
    for (p = container.begin( ); p != container.end( ); p++)
        *p = 0;

    cout << "Container now contains:\n";
    for (p = container.begin( ); p != container.end( ); p++)
        cout << *p << " ";
    cout << endl;

    return 0;
}

```