Main.cpp

#include <iostream>

#include <vector>

using namespace std;

static void display(vector<int> v) {

for (auto p = v.begin(); p != v.end(); p++) {

cout << \*p << " ";

}

cout << endl;

}

static void reverse\_vector(vector<int>& v) {

vector<int>::iterator p1 = v.begin();

vector<int>::reverse\_iterator p2 = v.rbegin();

while (&\*p1 != &\*p2)

{

swap(\*p1, \*p2);

p1++;

if (&\*p1 == &\*p2) {

break;

}

p2++;

}

}

int main()

{

//Fill in the vector with 2, 4, 6, 8, 10, and 12

vector<int> v1{ 2, 4, 6, 8, 10, 12 };

//Display the vector before reverse

cout << "Before reverse: " << endl;

display(v1);

// Reverse the vector use two iterators and a swap function

reverse\_vector(v1);

//Display the vector

cout << "After reverse: " << endl;

display(v1);

//Fill in the vector with 2, 4, 6, 8, 10, 12, an 14

vector<int> v2{ 2, 4, 6, 8, 10, 12, 14 };

//Display the vector before reverse

cout << "Before reverse: " << endl;

display(v2);

//Reverse the vector use two iterators and a swap function

reverse\_vector(v2);

//Display the vector

cout << "After reverse: " << endl;

display(v2);

return 0;

}

A screenshot of a computer

Description automatically generated

Demonstrated at 11:16 am on 11/16/2021