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// Attached: lab#12

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// HW Lab#12

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// Youssef Abdelwahab

// CS 1B

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#include <iostream>

#include <iomanip>

#include<fstream>

#include <string>

#include <cmath>

#include <vector>

using namespace std;

void showinfo(vector<int>values);

int main()

{

vector<int>values = { 1,3,5,7,9 };

values.pop\_back();

cout << "There are " << values.size() << " values in the vector." << endl;

cout << "\nThere are " << values.capacity() << " array elements in the vector." << endl;

cout << "\nThe maximum number of int values the vector can hold is " << values.max\_size() << endl;

cout << "\nThe value at the front is: " << values.front() << endl;

cout << "\nThe value at the back is: " << values.back() << endl;

showinfo(values);

values.resize(2);

cout << "After resizing, there are " << values.size() << " values in the vector.";

system("pause>null");

return 0;

}

//======showinfo==================================================================================

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void showinfo(vector<int>values)

{

cout << "\nHere are all values in the vector: " << endl;

for (int i = 0; i < values.size(); i++)

{

cout << values[i] << endl;

}

}

Text

Description automatically generated