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// Attached:  lab#12

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// HW Lab#12

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// CS 1B

// ======================

#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=========================================================================
==============
```

```
//=============================================================================
==============
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;
    }
}
```