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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;
    }
}
```

```
C:\Users\youuss\source\repos\Project25\x64\Debug\Project25.exe
There are 4 values in the vector.
There are 5 array elements in the vector.
The maximum number of int values the vector can hold is 4611686018427387903
The value at the front is: 1
The value at the back is: 7
Here are all values in the vector:
1
3
5
7
After resizing, there are 2 values in the vector.
```