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#include <iostream>

#include <map>

using namespace std;

const int counterSize = 101;

int main () {
    int counter[counterSize];
    memset(counter, 0, counterSize * sizeof(int));

    int curVal = -1;

    cout << "Enter the integers between 1 and 100: \n";
    cin >> curVal;
    while (curVal != 0) {
        counter[curVal]++;
        cin >> curVal;
    }

    for (int i = 1; i < counterSize; ++i) {
        if (counter[i] > 0) {
            cout << i << " occurs " << counter[i] << " time";
            if (counter[i] > 1) {
                cout << "s";
            }
            cout << endl;
        }
    }

    system("pause");
    return 0;
}

```