```cpp
/*
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*/

#include <iostream>
using std::cout;
using std::endl;
using std::string;

int* read_data(int& size) {
    int input;
    int n = 10;
    int* arr = new int[n];
    int* tmp = new int[n];
    int counter = 0;
    while (cin >> input) {
        if (counter > n) {
            n *= 2;
            arr = new int[n];
            for (int i = 0; i < n / 2; i++) {
                arr[i] = tmp[i];

        }

            tmp = new int[n];
            for (int i = 0; i < n / 2; i++) {
                tmp[i] = arr[i];
            }            }
        arr[counter] = input;
        tmp[counter] = input;
        counter++;
    }
    size = counter;
    int* finalArr = new int[size];
    for (int i = 0; i < size; i++) {
        finalArr[i] = arr[i];
    }
    delete arr;
    delete tmp;
    return finalArr;
}
```