

```
#include <iostream>
using namespace std;

void MyPrinter(int* numbers, int count){
    for (int i=0;i<count;i++){
        cout << numbers[i] << " - ";
    }
    cout << endl;
}

void MySorter(int* numbers, int count){
    //bubble sort the list of numbers that contains (count) integers
    int i=1, j=1; //The bug here can be easy to miss
    while (i<count){
        while (j<count){
            if (numbers[i]>numbers[j]){
                numbers[i]+=numbers[j];
                numbers[j]=numbers[i]-numbers[j];
                numbers[i]=numbers[i]-numbers[j];
            } j++;
        } i++; j=i+1;
        MyPrinter(numbers,count); //Printing here helps to find the bug!
    }
}

int main(){
    int* nums = new int[5];
    nums[0] = 7;
    nums[1] = 3;
    nums[2] = 8;
    nums[3] = 2;
    nums[4] = 1;

    MySorter(nums, 5);
    MyPrinter(nums,5);
}
```