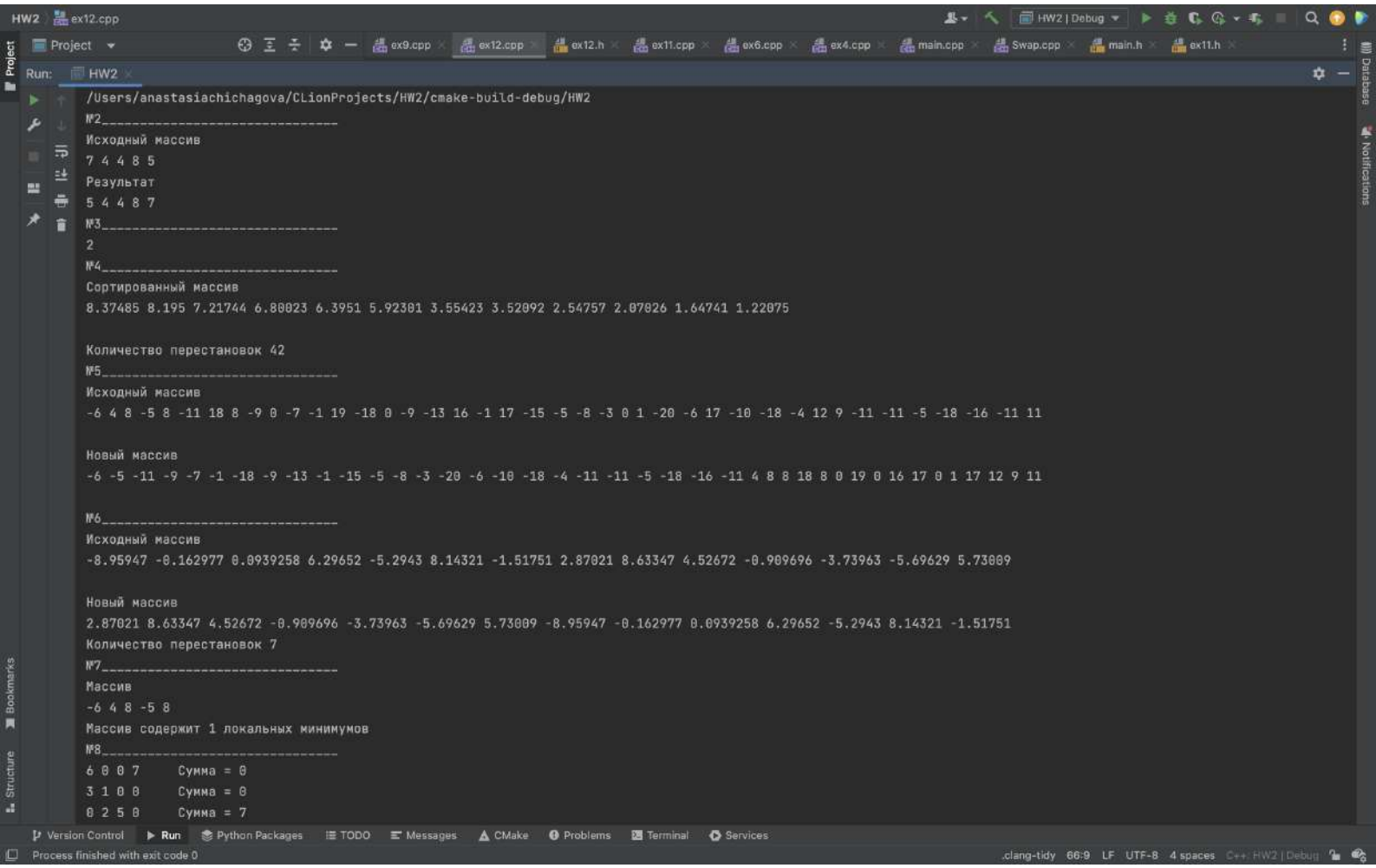
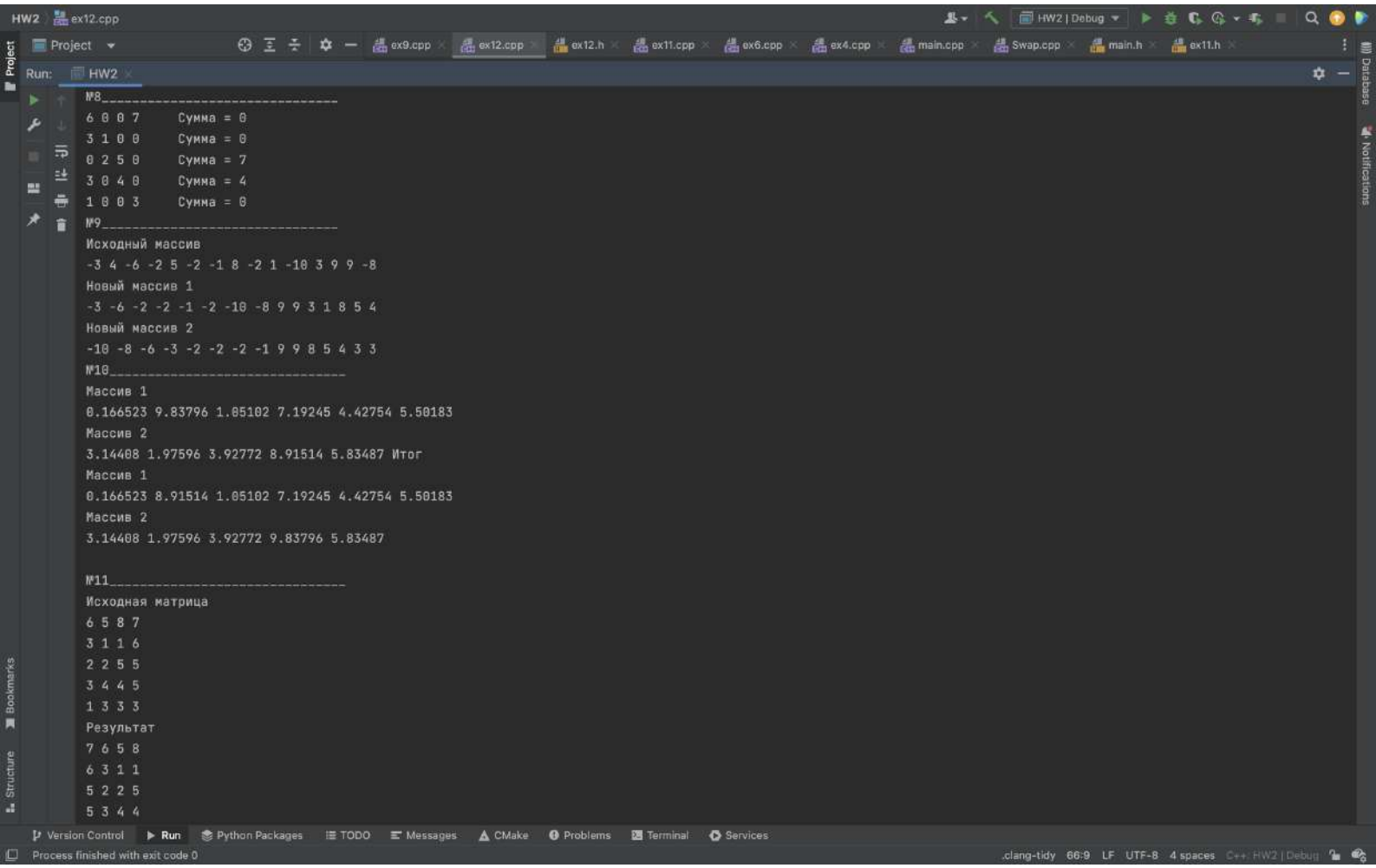
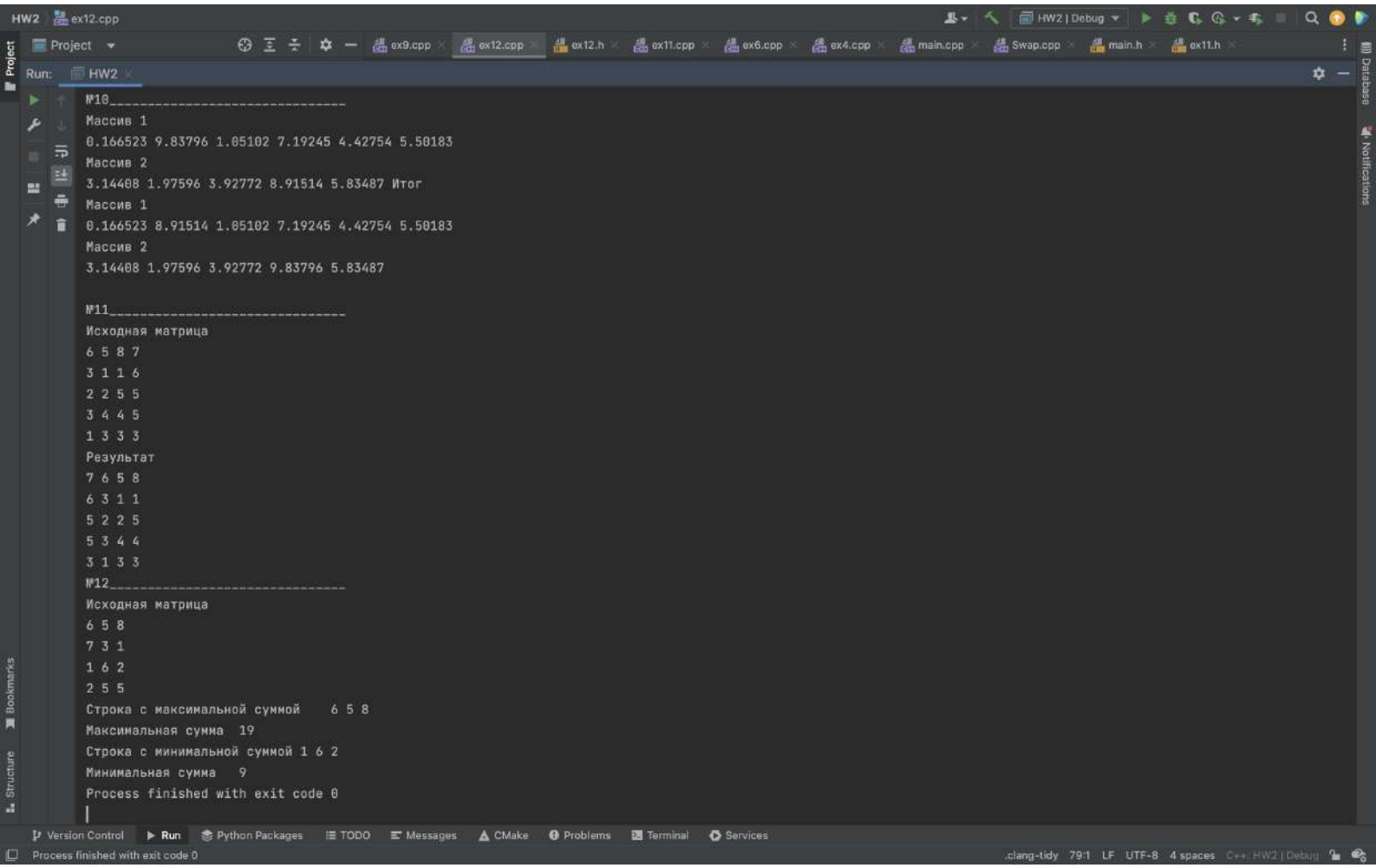
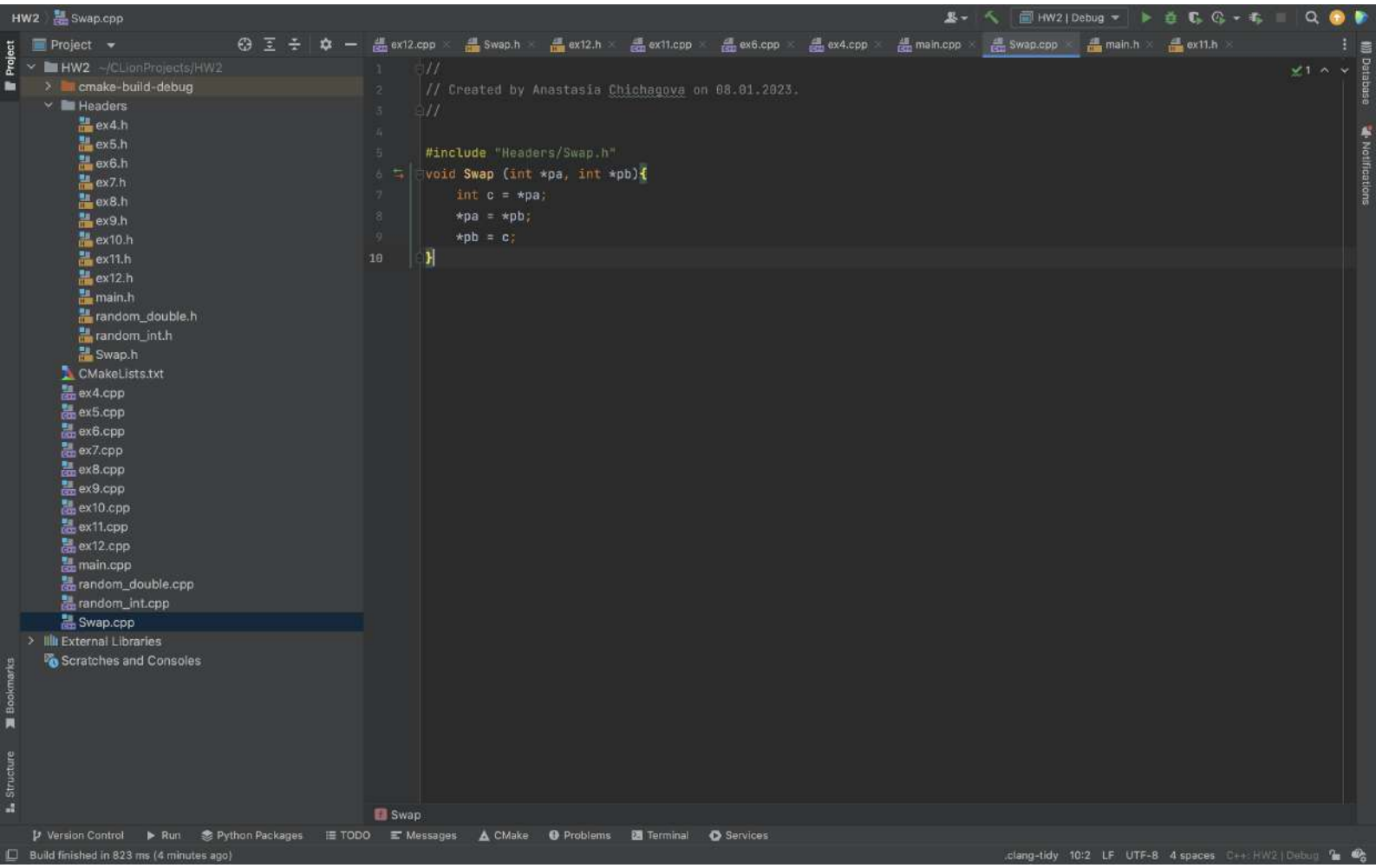
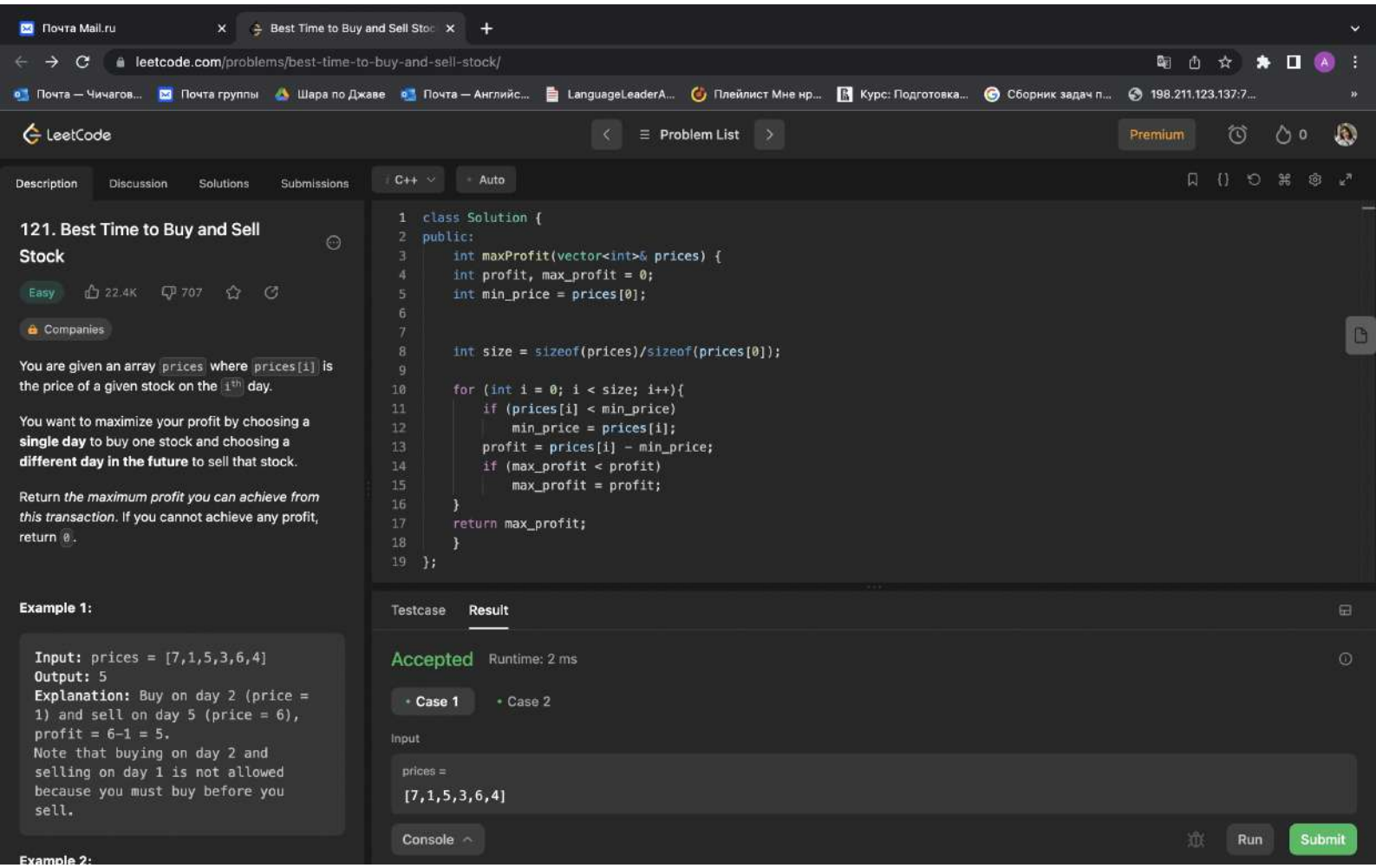
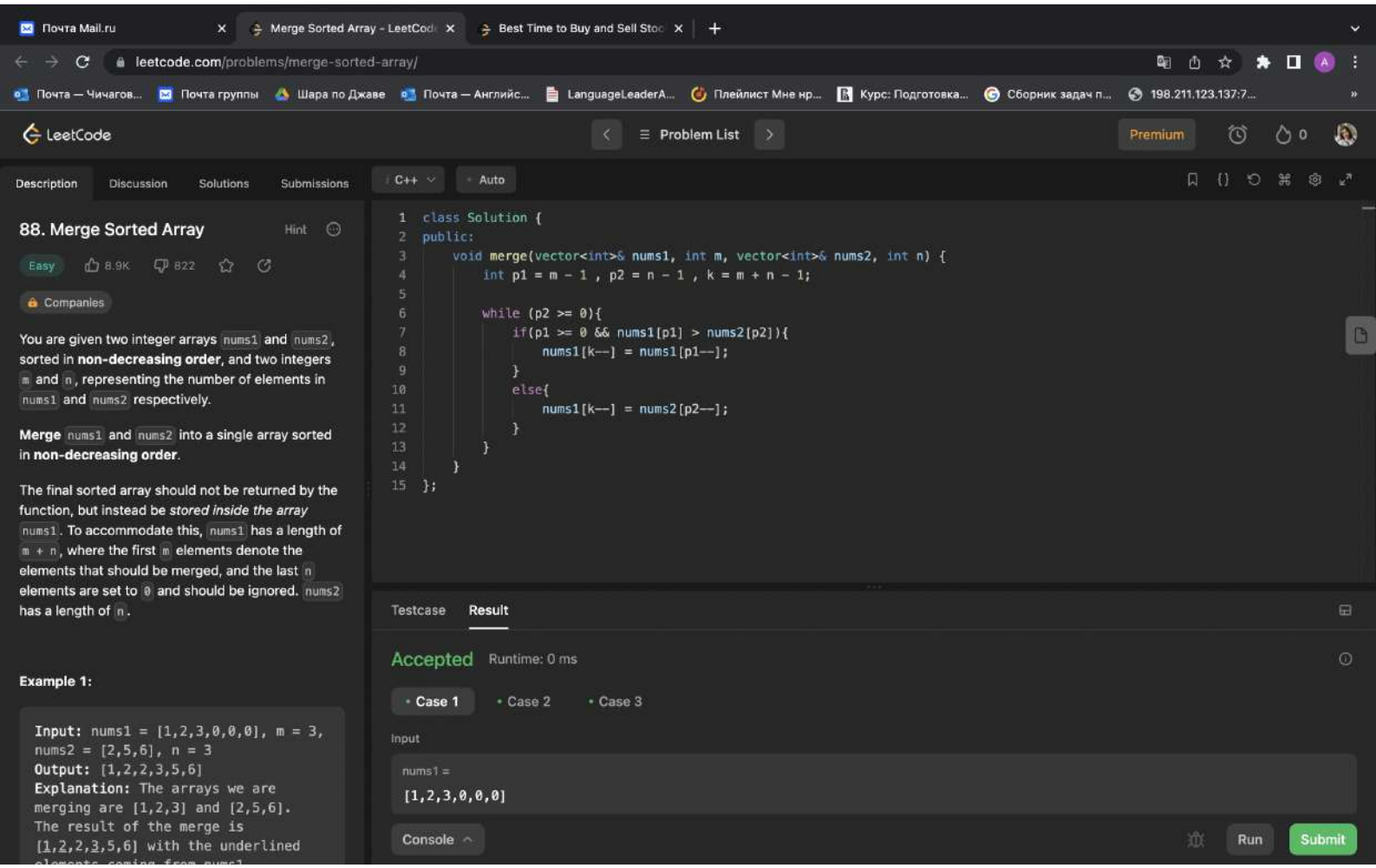

HW2 ex12.cpp
HW2 | Debug
Project
ex9.cpp
ex12.cpp
ex12.h
ex11.cpp
ex6.cpp
ex4.cpp
main.cpp
Swap.cpp
main.h
ex11.h
Run: HW2
/Users/anastasiachichagova/CLionProjects/HW2/cmake-build-debug/HW2
№2_____
Исходный массив
7 4 4 8 5
Результат
5 4 4 8 7
№3_____
2
№4_____
Сортированный массив
8.37485 8.195 7.21744 6.80023 6.3951 5.92301 3.55423 3.52092 2.54757 2.07826 1.64741 1.22075
Количество перестановок 42
№5_____
Исходный массив
-6 4 8 -5 8 -11 18 8 -9 0 -7 -1 19 -18 0 -9 -13 16 -1 17 -15 -5 -8 -3 0 1 -20 -6 17 -10 -18 -4 12 9 -11 -11 -5 -18 -16 -11 11
Новый массив
-6 -5 -11 -9 -7 -1 -18 -9 -13 -1 -15 -5 -8 -3 -20 -6 -10 -18 -4 -11 -11 -5 -18 -16 -11 4 8 8 18 8 0 19 0 16 17 0 1 17 12 9 11
№6_____
Исходный массив
-8.95947 -0.162977 0.0939258 6.29652 -5.2943 8.14321 -1.51751 2.87021 8.63347 4.52672 -0.909696 -3.73963 -5.69629 5.73089
Новый массив
2.87021 8.63347 4.52672 -0.909696 -3.73963 -5.69629 5.73089 -8.95947 -0.162977 0.0939258 6.29652 -5.2943 8.14321 -1.51751
Количество перестановок 7
№7_____
Массив
-6 4 8 -5 8
Массив содержит 1 локальных минимумов
№8_____
6 0 0 7 Сумма = 0
3 1 0 0 Сумма = 0
0 2 5 0 Сумма = 7
Version Control
Run
Python Packages
TODO
Messages
CMake
Problems
Terminal
Services
Process finished with exit code 0
.clang-tidy 66:9 LF UTF-8 4 spaces C++: HW2 | Debug


HW2
ex12.cpp
HW2 | Debug
Project
ex9.cpp
ex12.cpp
ex12.h
ex11.cpp
ex6.cpp
ex4.cpp
main.cpp
Swap.cpp
main.h
ex11.h
Run:
HW2
№8_____
6 0 0 7 Сумма = 0
3 1 0 0 Сумма = 0
0 2 5 0 Сумма = 7
3 0 4 0 Сумма = 4
1 0 0 3 Сумма = 0
№9_____
Исходный массив
-3 4 -6 -2 5 -2 -1 8 -2 1 -10 3 9 9 -8
Новый массив 1
-3 -6 -2 -2 -1 -2 -10 -8 9 9 3 1 8 5 4
Новый массив 2
-10 -8 -6 -3 -2 -2 -2 -1 9 9 8 5 4 3 3
№10_____
Массив 1
0.166523 9.83796 1.85102 7.19245 4.42754 5.50183
Массив 2
3.14408 1.97596 3.92772 8.91514 5.83487 Итог
Массив 1
0.166523 8.91514 1.85102 7.19245 4.42754 5.50183
Массив 2
3.14408 1.97596 3.92772 9.83796 5.83487
№11_____
Исходная матрица
6 5 8 7
3 1 1 6
2 2 5 5
3 4 4 5
1 3 3 3
Результат
7 6 5 8
6 3 1 1
5 2 2 5
5 3 4 4
Project
Bookmarks
Structure
Database
Notifications
Version Control
Run
Python Packages
TODO
Messages
CMake
Problems
Terminal
Services
Process finished with exit code 0
.clang-tidy 66:9 LF UTF-8 4 spaces C++: HW2 | Debug


HW2 ex12.cpp
HW2 | Debug
Project
ex9.cpp
ex12.cpp
ex12.h
ex11.cpp
ex6.cpp
ex4.cpp
main.cpp
Swap.cpp
main.h
ex11.h
Run: HW2
№10_____
Массив 1
0.166523 9.83796 1.85102 7.19245 4.42754 5.50183
Массив 2
3.14408 1.97596 3.92772 8.91514 5.83487 Итог
Массив 1
0.166523 8.91514 1.85102 7.19245 4.42754 5.50183
Массив 2
3.14408 1.97596 3.92772 9.83796 5.83487
№11_____
Исходная матрица
6 5 8 7
3 1 1 6
2 2 5 5
3 4 4 5
1 3 3 3
Результат
7 6 5 8
6 3 1 1
5 2 2 5
5 3 4 4
3 1 3 3
№12_____
Исходная матрица
6 5 8
7 3 1
1 6 2
2 5 5
Строка с максимальной суммой 6 5 8
Максимальная сумма 19
Строка с минимальной суммой 1 6 2
Минимальная сумма 9
Process finished with exit code 0
Version Control
Run
Python Packages
TODO
Messages
CMake
Problems
Terminal
Services
Process finished with exit code 0
.clang-tidy 79:1 LF UTF-8 4 spaces
C++: HW2 | Debug


HW2 Swap.cpp
HW2 | Debug
Project
HW2 ~/CLionProjects/HW2
cmake-build-debug
Headers
ex4.h
ex5.h
ex6.h
ex7.h
ex8.h
ex9.h
ex10.h
ex11.h
ex12.h
main.h
random_double.h
random_int.h
Swap.h
CMakeLists.txt
ex4.cpp
ex5.cpp
ex6.cpp
ex7.cpp
ex8.cpp
ex9.cpp
ex10.cpp
ex11.cpp
ex12.cpp
main.cpp
random_double.cpp
random_int.cpp
Swap.cpp
External Libraries
Scratches and Consoles
ex12.cpp
Swap.h
ex12.h
ex11.cpp
ex6.cpp
ex4.cpp
main.cpp
Swap.cpp
main.h
ex11.h
//
// Created by Anastasia Chichagova on 08.01.2023.
//
#include "Headers/Swap.h"
void Swap (int *pa, int *pb){
int c = *pa;
*pa = *pb;
*pb = c;
}
Swap
Version Control
Run
Python Packages
TODO
Messages
CMake
Problems
Terminal
Services
Build finished in 823 ms (4 minutes ago)
.clang-tidy 10:2 LF UTF-8 4 spaces C++: HW2 | Debug


Почта Mail.ru
Best Time to Buy and Sell Stoc
leetcode.com/problems/best-time-to-buy-and-sell-stock/
LeetCode
Problem List
Premium
Description
Discussion
Solutions
Submissions
C++
Auto
121. Best Time to Buy and Sell Stock
Easy
22.4K
707
Companies
You are given an array prices where prices[i] is the price of a given stock on the ith day.
You want to maximize your profit by choosing a single day to buy one stock and choosing a different day in the future to sell that stock.
Return the maximum profit you can achieve from this transaction. If you cannot achieve any profit, return 0.
Example 1:
Input: prices = [7,1,5,3,6,4]
Output: 5
Explanation: Buy on day 2 (price = 1) and sell on day 5 (price = 6), profit = 6-1 = 5.
Note that buying on day 2 and selling on day 1 is not allowed because you must buy before you sell.
Example 2:
class Solution {
public:
int maxProfit(vector<int>& prices) {
int profit, max_profit = 0;
int min_price = prices[0];
int size = sizeof(prices)/sizeof(prices[0]);
for (int i = 0; i < size; i++){
if (prices[i] < min_price)
min_price = prices[i];
profit = prices[i] - min_price;
if (max_profit < profit)
max_profit = profit;
}
return max_profit;
}
};
Testcase
Result
Accepted
Runtime: 2 ms
Case 1
Case 2
Input
prices =
[7,1,5,3,6,4]
Console
Run
Submit


Почта Mail.ru
Merge Sorted Array - LeetCod
Best Time to Buy and Sell Stoc
leetcode.com/problems/merge-sorted-array/
LeetCode
Problem List
Premium
Description
Discussion
Solutions
Submissions
C++
Auto
88. Merge Sorted Array
Hint
Easy
8.9K
822
Companies
You are given two integer arrays nums1 and nums2, sorted in non-decreasing order, and two integers m and n, representing the number of elements in nums1 and nums2 respectively.
Merge nums1 and nums2 into a single array sorted in non-decreasing order.
The final sorted array should not be returned by the function, but instead be stored inside the array nums1. To accommodate this, nums1 has a length of m + n, where the first m elements denote the elements that should be merged, and the last n elements are set to 0 and should be ignored. nums2 has a length of n.
Example 1:
Input: nums1 = [1,2,3,0,0,0], m = 3, nums2 = [2,5,6], n = 3
Output: [1,2,2,3,5,6]
Explanation: The arrays we are merging are [1,2,3] and [2,5,6]. The result of the merge is [1,2,2,3,5,6] with the underlined
1 class Solution {
2 public:
3 void merge(vector<int>& nums1, int m, vector<int>& nums2, int n) {
4 int p1 = m - 1 , p2 = n - 1 , k = m + n - 1;
5
6 while (p2 >= 0){
7 if(p1 >= 0 && nums1[p1] > nums2[p2]){
8 nums1[k--] = nums1[p1--];
9 }
10 else{
11 nums1[k--] = nums2[p2--];
12 }
13 }
14 }
15 };
Testcase
Result
Accepted
Runtime: 0 ms
Case 1
Case 2
Case 3
Input
nums1 =
[1,2,3,0,0,0]
Console
Run
Submit