

## 1 student:

### Single Dimensional Arrays

1. [st1-task-01.cs] {0.3 points} An array of doubles is given. The values of its elements:

1.1, -2.3, 3.7, 4.1, -5.6, 6.1, 7.1

1. Create a function to display the array.

2. Create another function to print the addition of negative elements. The signature of the function must be as following:

```
static void FindSum(double[] arr, ref double sum)
```

Expected output:

Array:

1,1 -2,3 3,7 4,1 -5,6 6,1 7,1

Sum of negatives is: -7,9

### Two-dimensional Arrays

2. [st1-task-02.cs] {0.3 points} Create a function called `FillMatrix` to fill a 5-by-5 array with random numbers in the range from `-50` to `50` and display them. Create one more function to print the addition of the array elements, the last digit of which is `1` (e.g. `41`). The signature of the function must be as following:

```
static void PrintSumMatrix(int[,] m, ref int sum)
```

Expected output:

The matrix 5 x 5:

-18 -18 6 29 -38

-21 -42 -46 16 29

6 1 -42 -10 -19

34 -21 -3 -6 9

42 -30 -46 -49 -25

sum = -41

### String and Using StringBuilder class

3. [st1-task-03.cs] {0.4 points} The sentence is entered. Create a function to find out if the char 'c' is in the sentence. You should use `StringBuilder` class. The signature of the function must be as following:

```
static Boolean ifFound(StringBuilder sb)
```

Expected output:

Please, enter the sentence:

Rostov city

the sentence contains c: True