6 student:

Single Dimensional Arrays

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

```
-11, -23, 37, 51, -56, -61, 71, 89
```

1. Create a function to display the array.

2. Create another function to find the addition of the array elements the first digit of which is `5` (e.g. **51**). The signature of the function must be as following:

```
static void FindProductDigit5(int[] arr, ref int sum)
```

Expected output:

```
Array:
-11  -23  37  51  -56  -61  71  89
sum is: -5
```

Two-dimensional Arrays

2. `[task-02.cs] {0.3 points}` Create a function called `FillMatrix` to fill a 6-by-6 array with random numbers in the range from `-30` to `20` and display them. Create one more function to print out the product of the elements which are in the specified `n` column (`n` is entered) . The signature of the function must be as following:

```
static int PrintProductMatrix(int[,] m , int n)
```

Expected output:

```
The matrix 6 x 6:
  -8  16  15   8  18 -17
  11  -4  -6   9 -18 -29
 -15 -20   4  -1 -25   7
  -5 -28 -23 -16 -16  14
 -13 -26   4  14 -22  11
 -24  12 -12 -21   2   4
enter the number of the column, please
3
product = -397440
```

String and Using StringBuilder class

3. `[task-03.cs] {0.4 points}` The sentence is entered. Create a function to find out how many times '**to**' substring appears in the sentence. You should use *StringBuilder* class. The signature of the function must be as following:

```
static int countTO(StringBuilder sb)
```

Expected output:

```
Please, enter the sentence:
It's too serious to go there
'to' appears : 2 times
```