

# CSCI 1301 – Lab 22

April 1, 2019

## 1 First Array Manipulation

Write a program that

1. declares an array `myArray` of `int` of size 5,
2. initializes `myArray` with the values 1, 2, 3, 4 and 5,
3. displays the content of `myArray`.

Now, let us write *incorrect* statements. Add the following statements one by one to your program, observe how C# react (that is, try to compile and execute after you added one, then remove it), and answer the following questions.

```
myArray = { 1, 2 ,3, 4, 5};  
Console.WriteLine (myArray[5]);  
myArray[5] = 12;  
Console.WriteLine(myArray);
```

- One of this statement is not “incorrect” in the sense that it won’t prevent your program from executing, but it is not doing what you could have expected: which one?
- Can you read and understand the errors messages you obtained for the others?

## 2 Second Array Manipulation

Write a program that

1. declares an array `myArray` of `int` of size 10,
2. initializes `myArray` with the values 1, 2, 3, ..., 9 and 10,
3. displays the content of `myArray`.
4. sum the values stored in `myArray` and display the result.
5. make the product of the values stored in `myArray` and display the result.