

Department of Computer Science
CSC215 – Procedural Programming
Lab 2. *Scanf and Strings*

1. Write a program that does the following:
 - a. Declare a string with the name `str` of length 20.
 - b. Copy the word "CSC215" into `str` using the function **`strcpy`** (don't forget to include `"#include<string.h>"` in order for this function to work).
 - c. Print the string `str` and print its length using **`strlen`**.
 - d. Declare five integers (`n`, `avg`, `max`, `min` and `sum`).
 - e. Use the integer `n` to read four integer inputs from the user using **`scanf`**.
 - f. Assign the first input to `max`, `min` and `sum`, and for each new input check if it's the minimum or the maximum (using a simple **if statement**), and add it to the `sum`.
 - g. After the last input compute the average (`Sum/4`) and print `max`, `min`, `sum` and the average.

2. Compile and run your program:

```
gcc -o lab2 lab2.c  
./lab2
```

3. Use the inputs (2, 5, 1, 4) to test your program and the output should be (Max: 5, Min: 1, Sum: 12, Average: 3).

4. Show the program to your lab instructor before you leave. (You will not receive full grade for the lab unless you show your work at the end of the lab).