

The UNIVERSITY of NORTH CAROLINA at CHAPEL HILL

Comp 411 Computer Organization

Fall 2012

Lab #4: Arrays and Functions in C

Issued Fri, 9/14/12; Due Fri, 9/21/12 (beginning of class)

Your task is to go through the entire Lab 4 assignment posted on the class website and implement the programs for Exercises 1 to 5. You must finish this lab and submit your work by the beginning of lab on Sep 14 (1pm).

Test Inputs: Sample input and corresponding output are provided under `/home/montek/comp411/samples/lab4`. You should try running your program on the sample input file(s) provided, and make sure the program's output is *identical* to that in the sample output file(s). For example, do the following:

```
% ./ex1 < ex1in1 > ex1result1
% diff ex1result1 ex1out1
```

The `diff` command prints any differences it finds between your program's output (which you redirected into the file `ex1result1`) and the correct output provided to you (in the file `ex1out1`). If there are no differences, it prints nothing.

What to submit: You will submit your work on Exercises 1 to 5. Specifically, only the files `ex1.c`, `ex2.c`, `ex3.c`, `ex4.c` and `ex5.c` will need to be submitted.

How to submit: Navigate to the folder where `ex1.c` ... `ex5.c` are stored, and run the command for electronically submitting them, as follows:

```
% cd ~/comp411lab/lab4
% /home/montek/comp411/bin/submitlab4
```

In case of any problems, please contact the instructor or the TAs.