

The UNIVERSITY of NORTH CAROLINA at CHAPEL HILL

Comp 411 Computer Organization

Fall 2012

Lab #5: More Arrays and Pointers in C

Issued Fri, 9/21/12; Due Fri, 9/28/12 (beginning of class)

Your task is to go through the entire Lab 5 assignment posted on the class website and implement the programs for Exercises 1 to 3. You must finish this lab and submit your work by the beginning of lab on Sep 28 (1pm).

Test Inputs: Sample input and corresponding output are provided under `/home/montek/comp411/samples/lab5`. 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). Points will be deducted if any differences are found (even extra or missing spaces or lines in the program output).

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 3. Specifically, only the files `ex1.c`, `ex2.c`, and `ex3.c` will need to be submitted.

How to submit: Navigate to the folder where `ex1.c` ... `ex3.c` are stored, and run the command for electronically submitting them, as follows:

```
% cd ~/comp411lab/lab5
% /home/montek/comp411/bin/submitlab5
```

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