CS141 – Lab 9

Objective: Understanding String Vs Cstring and Buffer Overflow

Review the document given as a resource for this lab before you start programing.

Program: Debug the program given below using gdb to answer all the questions in lab09_answersheet.pdf

- Download the skeleton source file from http://web2.clarkson.edu/class/cs141/labs/lab09.cpp
- Download answer sheet from http://web2.clarkson.edu/class/cs141/labs/lab09_answersheet.pdf
- Compile lab09.cpp for debugging. Use –g flag for gdb.
- Start gdb and answer all questions on the answersheet

Usefull gdb commands:

1. break LINE_NUMBER: Set a breakpoint at that line number
2. break FUNCTION: Set a breakpoint at the beginning of that function
3. run: Run the program (or restart it)
4. display VARIABLE: Print the variable after each step
5. undisplay NUMBER: Stop displaying variable labeled with NUMBER
6. print VARIABLE: Print variable once
7. print &VARIABLE: Print the address of a variable
8. print ARRAYNAME[i]: Prints the values stored in the ith element of ARRAYNAME
9. Advance lineNumber: Advances to the line.

What to Hand in:

Hand in lab09_answersheet.pdf hardcopy to me before Friday 12:30 pm, March 11 or send the scans or filled pdf-file to grigorg@clarkson.edu until Friday 11:59 pm.