Department	of	Computer	Science

CS411 – Network Security
March 28ᵗʰ 2020
Assignment 2 – Weight 5 %
Individual assignment

Task 1. pdf of chapter 4 of Prof. Du's Book has been uploaded on SLATE and google classroom. The contents were discussed in the lecture held on March 24ᵗʰ. Kindly go through the text. It provides all the details on how to launch a BOF attack in the Ubuntu VM provided by seed Labs.

Task 2. Carry out all the steps mentioned in the chapter 4 to launch the BOF attack. Your aim is to get root access.

Task 3. Make a report on all the steps you carried out to achieve root access. Use screenshots to show what commands, tools, code (also show the compilation and use of debugger), etc. you used and what were the results. Briefly describe the step that was carried out in a screen shot below it. Somewhere on the screen (of Ubuntu running in virtual box or vmware, or the host operating system), your name and student ID should be clearly visible.

Notes
1. **You are allowed to use all and every resource available.**
2. **You are also allowed to use any OS, VM player, compiler, tools, etc. to complete this assignment.**
3. **You are also allowed to collaborate with you friends as much as you like.**

4. **YOU ARE NOT ALLOWED TO COPY OTHER PEOPLES' SCREEN SHOTS. EVEN A SINGLE INSTANCE WOULD LEAD TO AN F.** Any kind of plagiarism (from a student or a website or any other source) will lead to an F in this assignment (as a minimum penalty)

Grading rubric

Getting ROOT access AND showing all steps to get it = 4 points
Clear and crisp screenshots = 1 point (only if you get root access)

Deadline to submit: Tuseday, April 7ᵗʰ, before 12 Noon via SLATE. Any assignment received after the deadline will not be accepted.