This homework is subject to the provisions of the UNC Honor Code; see http://instrument.unc.edu/. Collaboration is prohibited, and your solution must represent your own work. It is due in class on Monday, September 12, 2016.

The assignment is to complete the SEED lab on buffer overflow attacks, available at http://www.cis.syr.edu/~wedu/seed/Labs_12.04/Software/Buffer_Overflow/. Please use the Ubuntu 12.04 VM image for the lab.

**What to turn in:** For Task 1, turn in a printout of the code “exploit.c,” along with a roughly two-paragraph explanation of what the code does and what the stack is like before and after the exploit runs. Ideally, show a diagram of the stack before and after the exploit. For the rest of the tasks, provide a roughly one-paragraph explanation of what happens/what the problem is.