

Buffer-Overflow Vulnerability Lab Questionnaire

You are being asked to complete this questionnaire because you have just finished the Buffer-Overflow Vulnerability lab. The purpose of this survey is to help us understand how effectively this lab has enhanced your learning in computer security. The survey is anonymous. Your responses are not related in any way to the grade you will receive on the lab. Your participation in this survey is greatly appreciated.

Learning objective of this lab: *The learning objective of this lab is for students (1) to explain what the buffer-overflow vulnerability is, and (2) to gain a first-hand experience on exploiting this vulnerability.*

0. Your gender

☒ Male ☐ Female

1. What is your level of familiarity with Unix?

☐ No Experience ☒ Know some commands ☐ Have application-level development experience
☐ Have kernel-level development experience

2. My preparation and ability were sufficient for me to successfully understand the lab.

☐ Strongly disagree ☐ Disagree ☐ Neutral ☒ Agree ☐ Strongly agree

3. The lab instructions were clear.

☐ Strongly disagree ☐ Disagree ☐ Neutral ☒ Agree ☐ Strongly agree

4. What was the level of difficulty of this lab?

☐ Very easy ☐ Somewhat easy ☐ Average ☒ Somewhat difficult ☐ Very difficult

5. What was your level of interest in the lab?

☐ Very low ☐ Low ☐ Average ☐ High ☒ Very high

6. Approximately, how many hours did you spend on the lab?

☐ ≤ 5 hours ☐ 6-10 hours ☒ 11-20 hours ☐ 21-30 hours ☐ > 30 hours

7. The time I spent on the lab was worthwhile.

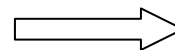
☐ Strongly disagree ☐ Disagree ☐ Neutral ☐ Agree ☒ Strongly agree

8. What was the most time consuming part of the lab?

Understanding runtime dynamics.

9. The lab was a valuable part of this course.

☐ Strongly disagree ☐ Disagree ☐ Neutral ☐ Agree ☒ Strongly agree



Please turn to the
next page.

10. As a result of the lab, I am more interested in computer security.

☐ Strongly disagree ☐ Disagree ☐ Neutral ☒ Agree ☐ Strongly agree

11. Overall, I have attained the learning objectives of the lab (see the learning objectives on Page 1)

☐ Strongly disagree ☐ Disagree ☐ Neutral ☐ Agree ☒ Strongly agree

12. I am

☐ an undergraduate student ☒ a graduate student

13. Which aspects of the lab were most valuable to your learning?

Debugging, assembly, and runtime environment.

14. What problems did you encounter in completing the lab?

Inconsistency in environments, compilers, debuggers, etc...

15. What changes could be made to the lab to enhance your learning?

A more static environment.

16. What was the most important thing you learned from the lab experience?

Many things aren't predictable.