**Lab 0: Initial Report**

**Objective:** Receive a baseline assessment of students

**Due Date:** 2 Apr

**Instructions:** Answer the questions to the best of your ability. Please type your answers and turn them into me one week from receipt. Each question is worth the same, so answer all the questions. If you get help from other sources, cite them!

**Write-up (limit 2 sheets)**

1. Have you identified your research topic / or research question? If so, what is it?
2. If you have an advisor, who is it?
3. What do you want to get out of your time at AFIT?
4. What do you want to learn from this class?
5. When it comes to academic scholarship, what are your strengths and what are your weaknesses?
6. What do you want to be when you grow up?
7. What did you study in your undergraduate degree?
8. Do you have any programming / scripting / developer experience? If so, briefly describe your exposure?
9. Do you have any experience in embedded development or reverse engineering of mobile devices? If so, briefly describe your exposure?
10. On a scale of 1 – 5 (1 novice, and 5 expert), how competent are you with the Linux command line?
11. In your own words, what is research and what is the benefit of it to the Air Force?
12. Identify 5 examples of SCADA systems and discuss why it is important that they be secure?
13. Discuss 2 examples in history where the security of SCADA systems have been compromised and what, if any, where the impacts?
14. Discuss 2 examples in history where the security of mobile devices have been compromised and what, if any, where the impacts?
15. What does mobile security have to do with SCADA devices? Are they mutually exclusive or is there overlap? What are the points of overlap?
16. What are your cursory thoughts on how Mobile and SCADA security could support your research (this assumes that you have answered “yes” to questions #1). If you answered “no” to question #1, then discuss a couple research interests you would have in the mobile / SCADA realm.
17. If you had unlimited time and money to design a mobile app, what would you make? How you make it secure?
18. Over Christmas, a relative, with no security/computer background, asks you “what do I need to do to make my phone safe so that I don’t get hacked?” How do you answer this?
19. If you and some friends got lost hiking in the woods, what would you do first?
    1. Stay in the same spot, wait for help to arrive, and tell stories with your friends to pass the time?
    2. Immediately head back in the direction of your car, even if this means leaving the trail and your group
    3. Continue the hike, enjoy nature, and plan to run into a park ranger or find a trailhead at some point.
    4. Pull out the map, identify your last known location; divide into groups to find help
    5. Other, explain