Security Project

The purpose of this project is to become familiar with software that is used to detect vulnerabilities in user's accounts, computer operating systems and networks.

1. Choose a software package to install and use to analyze some vulnerability. A website that offers free hacking tools is these sites:

    (https://www.fromdev.com/2014/09/free-hacking-tools-hacker.html, https://www.concise-courses.com/hacking-tools/top-ten/, https://securitytrails.com/blog/top-15-ethical-hacking-tools-used-by-infosec-professionals)

2. Decide where the software package will be installed. Possibilities are on the metis network (ask me for an account), on a home network or on a laptop (to detect wireless networks.) Do not choose a network for which you have no permission to access information or do packet sniffing.

3. Briefly describe the software package that you are installing. List your goals for the project, *i.e.*what you want to learn or accomplish by using the software. Note that some of the packages at the website listed above offer extensive information and descriptions; others do not. Hand in this description, the goals and the information from 1) and 2) above by 10/28/2019.

4. Install the software on the chosen computer or network and run it. Obtain output that will allow you to accomplish your goal(s) listed in part 3) above.

5. Write a report that describes the software, your experience running it and what you learned. The report is due 12/03/2019.