# Assignment 4 (CS458 & CS558)
## Due: April 16  (Monday)

*This assignment is done individually or by a group of 2 students*

*You can sign up for demo at:*
*https://docs.google.com/spreadsheets/d/1wA6zYU2b4_nwdcqP_8GIvPu17Us3ZcfbDA-gES_REOU/edit#gid=0*

## Choice I: Rootkit

Download a windows rootkit that enables attackers to hide files or processes, and demonstrate how to do it.  You will need to first install a virtual machine (e.g. virtualbox) and then execute the rootkit inside the virtual machine.

**Demo: April 16th at G25.  You can also show demo during TA's office hours before April 16th (G25, 3-4pm on April 9 and April 12th)**

## Choice II: Email security

Dowload PGP software that supports confidentiality and digital signature and show how to use PGP to provide confidentiality and digital signature.  You can choose any email client and any PGP software.

**Demo: April 16th at G25.  You can also show demo during TA's office hours before April 16th (G25, 3-4pm on April 9 and April 12th)**

**Academic Honesty:**

All students should follow Student Academic Honesty Code. All forms of cheating will be treated with utmost seriousness and may lead to the following:
1. **Report to the department and school**
2. **0 in the assignment or F in this course.**

If you have any questions about whether an act of collaboration may be treated as academic dishonesty, please consult the instructor before you collaborate.