Introduction
While your friendly neighborhood operating system is largely responsible for resource allocation (it’s busy scheduling memory, disk access, CPU turns, and alike), it is also responsible for keeping you safe. This includes safety from “threats” both local (try ls ~root) and from afar (try ssh whitehouse.gov -l littlehands).

Assignment
Find a partner to work with.
Learn about an aspect of computer security that is operating-systems related.
Write it up.
Present it to the class.

What to Hand in
• by Monday send me an email that includes
  - your partner’s name,
  - a not more than one paragraph description of the topic you plan to consider, and
  - at least two urls or book titles of resources that you have found thus far.
• 10/5 Upload to the Assignment 2 Assignment Upload a tar/zip file that includes
  (1) A paper of no more than five pages (10 point, sane margins, etc.) describing what you learned.
  (2) Or, a program illustrating what you learned along with a brief write-up documenting the program.
  (3) Or, some combination of the two.
• 10/8 Present your finding to the class in a ten minute presentation. Please upload your presentation materials to the Assignment 2 Presentation Blog before class.
  (Include any urls mentioned in your talk on the last slide (you need not show this slide)).

Resources / Ideas
(1) http://blogs.cae.tntech.edu/secknitkit
(2) Software exploitation such as buffer overflow attacks, integer overflows, code injections.
(3) Insider attacks and the insider threat.
(4) Malware, such as Trojan horses, viruses, or worms.
(5) https://securityetalii.es/2013/02/03/how-effective-is-aslr-on-linux-systems