

**CS3235 tutorial questions for the days of
(Mon Oct 25-Fri Oct 29, 2004)
(Not sure what week...)**

October 23, 2004

1. (Textbook, p105: Q2) RESEARCH: What is ethical hacking?
2. (Textbook, p121: Q3) Outline steps you might take to ensure that a program you had written did not suffer from a buffer overflow attack. Given that the attack is well known amongst programmers, why are there so many attacks?
3. (Textbook, p121: Q4) On some systems, the DVD drive itself is used to assist in enforcing restricted regions, by keeping track of the number of times the region has been changed. After 3 or 4 changes to DVD regions the DVD player software will no longer change region. How is this bypassed to allow unmodified region restricted DVD playback software to work for all regions?
4. In class Hugh demonstrated how a buffer overflow attack can make one program act like another. Outline how you could use an exploit like this if you had an account on a UNIX system.
5. In class Hugh demonstrated how a buffer overflow attack can make one program act like another. Outline how you could use an exploit like this if you did not have an account on a UNIX system.