

IY5512: Coursework 7a

If feedback is required, coursework solutions must be submitted electronically, as an email attachment, to the following email address: me@chrismitchell.net.

Coursework submissions should normally be in the form of a single pdf file. If you use Word, a free add-on to enable you to save a document in pdf format can be obtained from the Microsoft web site.

Take care to ensure that you include your full name on the first page of your submission, the course number (IY5512), and the coursework number.

These questions are designed to test and extend your understanding of Part 7a of the course material.

1. MD5 has replaced a modified version of DES for use in password protection in more recent versions of Unix. Does this make any significant difference to the security of the user authentication system? Explain your answer.
2. Describe (briefly) how the Unix access control system operates. Indicate in your description which types of file operations are controlled via directories.