Lab #5

Operating Systems 1

**Instructions:**

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| 1. Log into Linux 2. You can create files by doing the following   $ echo “This is a really important file” > ReallyImportantFile1.txt   1. and another:   $ echo “This is a really important file” > ReallyImportantFile2.txt   1. now do   $ ls  to see the files. Do a screengrab of that.   1. Now we are going to use the vi editor to create a shell script   vi is a text editor enables you to create and modify text documents that contain just the letters and characters that you can type in on your keyboard. vi is the one text editor that is available on all UNIX and LINUX systems.   1. So type:   $ vi MakeABackup.sh   1. type in i to enter INSERT MODE. 2. type in   #!/bin/sh  mkdir BackUpFolder  cp \*.txt BackUpFolder  ls -la BackUpFolder  then press <ESC>, and then type :wq and press <Enter> |
| This will bring you out of the file. Type ls and do a screegrab of that.   1. Type in   $ cat MakeABackup.sh   1. Do a screegrab of that. 2. This file needs to be changed to make it executable. We can use the chmod command   $ chmod 700 MakeABackup.sh  or do:  $ chmod u+x MakeABackup.sh   1. now type in   $ MakeABackup.sh  or do:  $ ./MakeABackup.sh  13. Do a screengrab of what you get.  14. Create a new post on your blog called Operating Systems 1 Lab 5 – Shell Script Creation and insert all of the screengrabs into the blog, and add a sentence (at least 30 words) at the end saying what you think you just did.  15. e-mail your blog address to Damian.Gordon@dit.ie with an email subject heading of OPERATING SYSTEMS 1 LAB #5 and in the message of your e-mail please let me know your full name, your student number, the name of your programme, the programme code, the name of the module, the year you are in (first year), and your assignment website address. Make sure you include a salutation and a sign-off. |
| **Marking:** Please note, this lab is due for submission at 5pm on the 23rd of March. The labs contributes to 40% of your final result in the continuous assessment for this module, so it's best to get the earlier ones done as well as you can, because as the labs continue on they will get harder, so you might as well pick up the easy marks early on. |