**DPS918 - Unix BASH Shell Scripting**

**Lab #2: More Unix/Linux concepts**

**Objective:** To gain more experience with some of the fundamentals of Unix/Linux commands and the file system.

**Due date**: May 26, by midnight (will be available on May 15, by 8 a.m.)

**Value**: 3% of final course mark

**Perform the following steps on Matrix:**

1. Enter the following on Matrix: ~dps918/lab2
2. You will see the following important notes on the first screen:
3. DPS918 Lab 2: Notes
4. ------------------------------------------------------------------------------------------------
5. Some important notes on this Lab:
6. (1) You do NOT have to do this whole Lab in one sitting! Any completed sections will
7. be tracked.
8. (2) You may abort the Lab at any time by pressing Ctrl-c but you will lose any work done
9. on an incomplete section.
10. (3) Instructions for each page will be displayed at the bottom of the screen.
11. (4) The answers expected in this Lab are derived from the Lab itself and the course notes. The
12. course notes should be used as a reference, if required. Using Google or another search
13. engine may provide answers that are not accepted by the Lab.
14. (5) This Lab is maintained by Les Czegel. Please try to resolve any problems with your
15. instructor who will determine if Les should be contacted.
16. ------------------------------------------------------------------------------------------------
17. Press <ENTER> to continue (or: 'm'-main menu).
18. Hit ENTER and you'll see the following:
19. DPS918 Lab 2: Selection Menu
20. ------------------------------------------------------------------------------------------------
21. Available selections:
22. 1 Redirection And Pipes
23. 2 Linking Files And Directories
24. 3 Command Summary
25. 4 Linux Processes
26. 5 Regular Expressions Using grep
27. 6 sed And awk
28. 7 Interactive Shell Environment
29. 8 Submit DPS918 Lab 2
30. The highlighted lines above indicate the incomplete parts of the Lab.
31. There is a total possible mark of 3, with 0.5 marks deducted for each
32. incomplete part. Late marks will be deducted at the rate of 0.3 marks (10%)
33. per day for Labs submitted after midnight of May 26 2017.
34. ------------------------------------------------------------------------------------------------
35. Enter a menu selection or 'q' to quit:
36. As you can see, the lab is divided into 7 parts. Incomplete parts will be highlighted, as will incomplete sections within each part.
37. There is a total possible mark of 3, with 0.5 marks deducted for each incomplete part.
38. As noted, late marks will be deducted at the rate of 0.3 marks (10%) per day for labs submitted after midnight of May 26.

**Submission requirements**:

1. Lab 2 is due on May 26.
2. Submitted labs **MUST** consist of the student's **OWN** work.
3. Your lab **MUST** run on Matrix.
4. When you're ready to submit the lab, select "8" on the Lab 2 menu. You will be shown the mark that will be received if you complete the submission. You will then be given the choice of submitting or cancelling the submission.
5. You must see the following screen, or the lab did not get submitted. Please let me know if you have problems with this:
6. DPS918 Lab 2.8: Submit Lab 2 Page 2/2
7. ------------------------------------------------------------------------------------------------
8. Congratulations!
9. You have successfully submitted Lab 2!
10. ------------------------------------------------------------------------------------------------
11. Press <ENTER> to continue (or: 'm'-main menu).