Department of Computer Science

COMP311 (Summer 2017/2018)
Project #1: Linux Command Tree

Due: Thursday 19/07/2018 at 10:00 AM

Project Objectives
- Demonstrate your ability to manipulate files in a Linux file system
- Demonstrate our ability to use the vi editor to modify the contents of a text file.
- Demonstrate your understanding of the basic Linux commands

Tasks
- On the lab machine, please login to the server **(telnet 172.16.2.90)** and do the following:
    - create a subdirectory under your home directory called youruserid_prj1 (e.g. u1090111_prj1)
    - Within youruserid_prj1, please create a directory called mytree
    - Underneath mytree create the directory hierarchy shown below:

    - file_sys_com
        - create_destroy
            - ln
            - mkdir
            - rmdir
            - rm
        - display
            - cat
            - more
            - ls
            - pwd
            - which
        - manipulate
            - cd
            - cp
            - mv
            - touch
        - Compress
            - zip
            - tar
    - networking_com

- ftp
- telnet
- info_com
  - man

- After creating the directory structure above, create files for each of the commands listed above in the appropriate directories.

- Use the vi editor to describe each command within the file bearing its name. Each command file should include your full name and your id number at the bottom as well as a description of the command in the following order:
  - a 1-2 sentence description of the command's purpose and effect
  - the syntax of the command (taken from its man page description)
  - 2 different examples of the command's proper usage (written on your own)

- Go to the directory one level above youruserid_prj1 (your home directory) and type the command
  <mark>tar -cvf youruserid_prj1.tar youruserid_prj1</mark>
  This command will create an archive (tar file) of the entire directory structure of youruserid_prj1.

Deliverables
- Please turn in the file youruserid_prj1.tar by putting it in your home directory by the due date and time.

Note
- You should do all the work above completely on your own.
- No projects will be accepted after the due date

Good luck!