**Python Scripting 2**

Write shell programs that will carry out the following tasks:

1. Ask the user to enter the name of a text file, the contents of that file will be displayed on screen.  
     
   Hint: (raw\_input to get user input), cat
2. Produce a long listing of the files in the current directory, followed by a count of the entries in the directory.

Hint: ls -l, wc –l

(remember: to pass the output of a command into the input of the next command we use the pipe symbol | )

1. List all the entries in the current working directory, followed by counts of the number of files and sub-directories present.

Hint: ls –l, wc -l, grep ^- (to find files), grep ^d (to find directories)

(remember, that the long listing produces file details where the first character of the first field indicates whether the item is a file or a directory e.g. –rwxrwxrwx (file) drwxrwxrwx (directory))

1. Display the date and time, followed by the user's login ID and the current working directory.

Hint: date, whoami

1. Prompt the user for the insurance group of a car, and then list all the cars in the carprice file with that insurance group.

Hint: (raw\_input to get user input), grep

1. Read in a users ID, and then, display the

appropriate line from the output generated by the who command for that user.

Hint: read, grep, who