DEPARTMENT OF COMPUTER ENGINEERING
B.TECH. COMPUTER ENGINEERING – 4TH SEMESTER, 2014
LAB ASSIGNMENT FOR LINUX LAB

COMMANDS	
Q1.	Write down the use and syntax of the following commands: bc, chmod, cut, cat, zcat, expr, fold, grep, gzip, man, mv, rm, shutdown, sort, tee, tr, wc, which, finger, yes, tput, cup, head, tail, kill, ls, locate, man
PIPELINE	
Q1.	Write down pipeline to execute the following jobs: 1. Output of who should be displayed on the screen with value of total number of users who have logged in displayed at the bottom of the list. 2. From the output of ls the lines containing 'poem' should be displayed on the screen along with count. 3. Names of cities should be accepted from the keyboard. This list of cities should be combined with the list of cities present in the file cityfile. This combined list should be sorted and the sorted output should be stored in a file newfile. 4. List all files beginning with character 'P' on the screen twice in succession.
SHELL SCRIPTS:	
Q1.	Write a shell script which would receive the logname during execution, obtain information about it from /etc/passwd and display this information on the screen in easily understandable format (using cut command).
Q2.	Write a shell script which receives two file names as input. It should check whether the two file's contents are same or not. If they are same then second file should be deleted.
Q3.	Write a shell script to display good morning, good afternoon and good evening depending upon time at which use logs in.
Q4.	Write a shell script which accepts a user name as input, and checks user logged in or not if user not logged in then your script should check the status of the user after every one minute up to maximum five minutes.
Q5.	Write a shell script which deletes all lines containing word **linux** in the files supplied as arguments to this shell.
Q6.	Write a shell script which will works similar to **wc** command. This script can receive the option **–l, -w,** and **–c**.
Q7.	Write a shell script to cut n lines starting from the position specified by the user without using **head** and **tail** command.
Q8.	Write a shell script which receives even numbers of file names. Suppose four filenames are supplied then first file should get copied in to second file, the third file should get copied into fourth file and so on. If odd numbers of filenames are supplied then no copying should take place and an error message should be displayed.
Q9.	Write a shell script which will receive any number of filenames as arguments. The shell script should check whether such files exist. If they do, then it should be reported. If these files do not exist then check if a sub directory called mydir exists in current directory. If it does not exist then it should be created and in it the files supplied as arguments should get created. If mydir already exists then it should be reported along with the number of files that are currently present in mydir.
Q10.	The word linux is present in only some of the files supplied as arguments to the shell script. Your shell script should search each of these files in turn and stop at the first file that it encounters containing the word linux. This file name should be displayed on the screen.