

Computer Science and Engineering Department, SVNIT, Surat
B.tech.-III, Semester-V
Operating system
Lab Assignment 4

1. Write a shell script that accepts a file name starting and ending line numbers as arguments and displays all the lines between the given line numbers.
2. Write a shell script that deletes all lines containing a specified word in one or more files supplied as arguments to it.
3. Write a shell script which receives two file names as arguments. It should check whether the two file contents are the same or not. If they are the same then the second file should be deleted.
4. Write a shell script which takes filename as argument and checks whether file is regular file,directory,block special file, character special file, named pipe, symbolic link, socket, device file etc.
5. Write a shell script which will take file name as argument and check whether the file name is a dir or not and then proceed further only if it is a dir, else give usage message. The script should then print in the tabular format, name of each sub-dir (within the argument dir) and a count of the number of top level files in that sub-dir. Modify the program to work with multiple numbers of arguments, too.
6. Write a script that will search for a specific word in all the files in the current directory and then prompt with the file name in which word is found.
7. Write a script to print only the number of executable files in each sub-dir of the argument directory specified.
8. Write a non-interactive script that takes in any no. of directory name as argument and calculates total no. of blocks of disk space occupied by the ordinary files in all the directories.
9. Write a shell script file named exercise2.sh that makes a list of files in your home directory that were changed less than 24 hours ago, but leave out directories.
10. Write the script that renames files based on the file extension. Next,It should ask the user what prefix to prepend to the file name(s). By default, the prefix should be the current date in YYYY-MM-DD format. If the user simply press enter,the current date will be used. Otherwise,whatever the user

entered will be used as the prefix. Next,it should display the original file name and new name of the file. Finally,it should rename the file.