

OS and Network Lab Assignment-5

Objective: Demonstrating the applications of Metacharacters, *sed* and *grep* commands.

(Note: Write only the objective on the index page of the lab file.)

Q.1) Write a shell script to concatenate the content of two files, f1.txt and f2.txt, into the third file, f3.txt.

Q.2) Create three C-Programs such as p1.c, p2.c, p3.c. Program p1.c computes the square of the number lying in the range [1-1000], program p2.c prints the odd numbers in the range [1-1000], while program p3.c prints the prime numbers in the range [1-1000]. Write a shell script to execute p1.c in the background while p2.c and p3.c in sequence. The output of each program should be displayed or stored in a file.

Q.3) Write a one-line shell script to run all three programs given in Q.2 serially.

Q.4) Write a one-line script to compile and execute the p1.c program.

Q.5) Write a shell script to list all C files.

Q.6) Assume that the present working directory of the terminal is Desktop. Write a shell script to print the contents of the Download folder as well as the contents of the Desktop folder.

Q.7) Write a shell script to print the current working directory of the terminal. The program is restricted to use the *pwd* command.

Q.8) Write a shell script to print the first line of the p1.c file.

Q.9) Write a shell script to print the last line of the p1.c file.

Q.10) Write a shell script to replace the word *stdio* with *conio* in file p1.c

Q.11) Write a shell script to delete 2nd line of the p1.c file.

Q.12) Write a shell script to display the name of all C files in which the *stdio* word has been used.

Q.13) Write a shell script to print the line number where the word *if* has been used in the p2.c file.