Name of Student			
Lab Experiment No.	5	Roll No.	
Date Of Perf.:		Date Of Sub.:	
Expt. Title	Shell Scripts and sed		
CO Mapping	LO1,LO4		

Aim: To implement Shell scripts and Sed

Objectives of the Experiment:
Implement shell scripts and Sed

Theory:
SED command in UNIX is stands for stream editor and it can perform lot's of function on file like, searching, find and replace, insertion or deletion. Though most common use of SED command in UNIX is for substitution or for find and replace. By using SED you can edit files even without opening it, which is much quicker way to find and replace something in file, than first opening that file in VI Editor and then changing it.

· SED is a powerful text stream editor. Can do insertion, deletion, search and replace(substitution).
· SED command in unix supports regular expression which allows it perform complex pattern matching.

Syntax:

▪ **sed OPTIONS... [SCRIPT] [INPUTFILE...]**

a) Shell script program to check whether given file is a directory or not. b) Shell script program to count number of files in a Directory. c) Shell script program to copy contents of one file to another. d) sed command to print duplicate lines of Input. e) sed command for Replacing or substituting string f) sed command for Replacing the nth occurrence of a pattern in a line g) sed command for Parenthesize first character of each word h) sed command for Replacing string on a specific line number i) sed command for Deleting lines from a particular file(particular line, last line, within range, pattern matching)
Post Lab Assignment:
1. Create directory, write contents on that and Copy to a suitable location in your home directory. 2. Use a pipeline and command substitution to set the length of a line in file to a variable.

3. sed command for Replacing all the occurrence of the pattern in a line
4. sed command for Replacing from nth occurrence to all occurrences in a line
5. sed command for Duplicating the replaced line with /p flag
6. sed command for Printing only the replaced lines
7. sed command for Replacing string on a range of lines

The outputs were checked for different sets of inputs.
Program is working is   SATISFACTORY   NOT SATISFACTORY   (Tick appropriate outcome)

Evaluation:

Timeline (2)	Understanding(2)	Performance (4)	Postlab (2)	Total(10)

Date & Signature of teacher: **Students Signature:**