Systems Software/Programming – Lab Manual

Lab 2 – Shell Programming/Scripting

You will be required to write shell scripts for a given problem. After running each of the shell script, you will need to capture the output.
Shell script file will be named as StudentID_Lab2_x.sh
output captured will be names as StudentID_Lab2_x.txt or image file StudentID_Lab2_x.png

1. Write a shell script StudentID_Lab2_1.sh which will take up to 9 (i.e. 1 to 9) command line arguments as integer values and sum them up.

2. Write a shell script StudentID_Lab2_2.sh that will take a directory path (e.g. /usr) as input and counts all the files in subdirectories (recursively) Hint: Use ls –R for listing and wc for counting

3. Write a shell script StudentID_Lab2_3.sh that will take directory path as input and deletes all the empty subdirectories

4. Write a shell script StudentID_Lab2_4.sh that will take text file as input and creates a new file by removing all the duplicate lines (or identical lines). Assume that the input file is not sorted. Use at least one function in your implementation.

Submission:
StudentID_Lab2.zip with total 8 files (4 shell script file + 4 captured output text files)