**Additional Practice Questions For NSA Lab – SET 1**

1. Write a shell script that takes a name of a folder as a command line argument, and produce a file that contains the names of all sub folders with size 0.
2. Write a shell script that takes a login name as command –line argument and reports when that person logged in.
3. Develop an interactive script that accepts a file name, a word, starting and ending line numbers and tell how many times that word occurred in between  the given line numbers.
4. write a shell script that prompts the user for a name of a file or directory and reports if it is a regular file, a directory, or another type of file. Also perform an ls command against the file or directory with the long listing option.
5. write a shell script that prompts the user for a name of a file or directory and reports if it is a regular file, a directory, or another type of file. Also perform an ls command against the file or directory with the long listing option.
6. Write a shell script that takes a name of a folder as a command line argument, and produce a file that contains the names of all sub folders with size 0 (that is empty sub folders)
7. Write a shell script that takes a name of a folder, and delete all sub folders of size 0
8. Write a shell script to get the current date, time, username and current working directory.
9. Write a shell script that takes a login name as command –line argument and reports when that person logs in.
10. Write a shell script to print system time only.
11. Develop an interactive script that asks for a word and file name and then

tells how many times that word occurred in the file.

l) List the available network interfaces on the system on which tcpdump can capture packets

m) Capture 10 packets from a specific interface.

n) Write and read the 10 lines of analyzed packet headers (output) to and from a file using tcpdump.

**Additional Practice Questions For NSA Lab – SET 2**

1. **Write a shell program to find the number of vowels in a line of text.**
2. **Display operating system name as well as system node name, operating system release, operating system version, hardware name and processor type.**
3. **Show this month’s calendar**
4. **Write a shell program to find the smallest and largest from an input set of numbers.**
5. **Check the network connectivity of your computer with another host/server.**
6. **Write a shell program to find the sum of odd and even numbers from an input set of numbers.**
7. **Write a shell program to check whether given number is palindrome or not.**
8. **Write a shell program to find the sum of squares of individual digits of a number.**
9. **Write a shell program to print the Fibonacci numbers upto N**