1. Configure Apache web server.

2. a) Create a text file. Infer the file permissions.
   b) Using the Octal mode change the permission on a particular file as rw-rw-r–
   c) Using the Symbolic mode change the permission on a particular file as rw-rw-r–

3. Configure SSH server.

4. a) Create a user by assigning the primary group explicitly.
   b) Demonstrate the account status using the password aging settings and infer on the various account status.
   c) Demonstrate locking and unlocking of the user password

5. Configure NFS server-client.

6. a) Write a shell script to reverse the word order in a list of strings. For example, if the input is Hello World, output should be World Hello.
   b) Write a shell script to convert the user-given temperature in Celsius to Fahrenheit using a bash calculator.

7. Establish Telnet communication on port 43897.

8. Perform the following operations using yum package manager and interpret the output of command used:
   a) List all installed packages
   b) Describe the info of a package
   c) Find out which package installed a particular file

9. Demonstrate fdisk and df commands and interpret it's output

10. Configure Telnet server-client.

11. a) Write a shell script that consists of a function that displays the number of files in the present working directory. Name this function "file_count" and call it in your script.
    b) Write a shell script to terminate the script if invoked by non-root user using function and appropriate exit codes.

12. Write a shell script to check the system status.

13. Configure FTP server.

14. Write a shell script to automate the following
    a. Adding a user
    b. Changing the group of the user

15. Establish SSH communication on port 41101.

16. Write a shell script to automate the following
    a. Installing a package using yum
    b. Checking package info using yum

17. Configure NFS server-client.
18. Write a shell script to check if the user is root.