1. Based on the given file SP1. Write shell scripts accordingly.

1. Count the number of words written in the file.
2. Copy the file and paste it in your home directory.
3. Change all the lines which possess the word New Line and convert it to Line
4. Write current time in the same file.
5. Count the number of time “new” keyword appears in the line segment 18 – 22

2. Use ls and find to list and print all lines matching the word “new” in matching files using piping.

3. Print all the prime numbers between 20 and 60 using function.

4. Count the number of file in a given directory. Directory name will be given by arguments.

5. For a given person whose basic salary & number of years served (to be given by the user) calculate his total Festival Bonus based on the following conditions

a. If basic salary less than 12,000 BDT and number of years served is less than 2 years then provide 10% festival bonus and 2.5% medical allowance.

b. If basic salary less than 12,000 BDT and number of years served is greater than 2 years then provide 15% festival bonus and 2.5% medical allowance.

c. If basic salary greater than 12,000 BDT and number of years served is less than 2 years then provide 12% festival bonus and 3.5% medical allowance.

d. If basic salary greater than 12,000 BDT and number of years served is greater than 2 years then provide 18% festival bonus and 3.5% medical allowance.