L03-Shell-1

Deadline week 5

No.	Assignment
1	Write a shell script which takes as parameters two integers. The script will display the sum, the difference and the product of the two given integers.
2	Write a shell script which takes as parameters two names of text files. The script will compare the two text files line by line and display the first 3 text lines that differ.
3	Write a shell script that takes a natural number as parameter. The script will check whether the given number is prime or not.
4	Write a shell script that reads numbers from keyboard (the reading stops when the user has entered the number 0). The script will display the sum of numbers entered from the keyboard.
5	Write a shell script that reads usernames from keyboard. For each user, the script will display the number of times it was logged in to the server in the current month. If he/she has not logged in at all during the current month, the script will display the message: *"User X has never logged in during the current month"*. (on WSL you can use /var/log/auth.log)
6	Write a shell script that reads words from keyboard (the reading stops when the user has entered the word "stop"). The script will display the list of words entered from the keyboard.
7	Write a shell script which takes as parameter a directory name. The script will determine the total number of lines in all ASCII text files in this directory and its subdirectories. It is assumed that any directory will only contain ASCII text files.
8	Write a shell script which takes as parameters two file names (a file that contains usernames and a file that contains any text). The script will send a mail to each user in the first file (the mail message will be the text in the second file).
9	Write a shell script which takes as parameter a username. The script will count and display the number of processes that belong to that user.
10	Write a shell script which takes as parameter an existing group number (ex: `821`). The script will display the details about that group.
11	Write a shell script which lists the content of the current directory. The script will list the files as follows: sorted by file names, sorted by last modified date and sorted by file size.
12	Write a shell script which takes as parameter a directory name. The script will display the filename, and the first 3 lines of each ASCII text file found in that directory.
13	Write a shell script which takes as parameter a username (ex: `bdae0198`). The script will determine the section (extract the letters on positions 3 and 4) and the sum of all digits in the username.
14	Write a shell script which displays all files in the current directory and its subdirectories that have write permission for the group of which the owner belongs.