LAB #03 SHELL Programming (Part II)



Spring 2023

CSE-204L Operating Systems Lab

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Registration No.: 21PWCSE2028

Section: C

"On my honor, as a student of the University of Engineering and Technology, I have neither given nor received unauthorized assistance on this academic work"

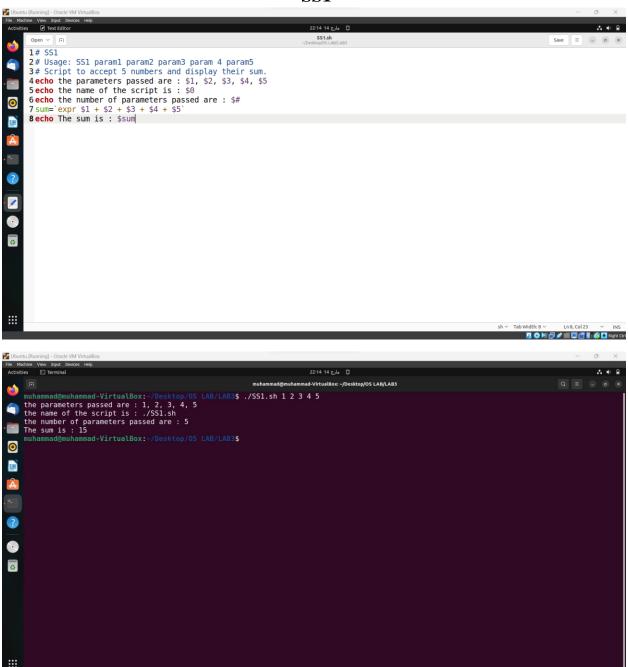
Submitted to:

Engr. Madiha Sher

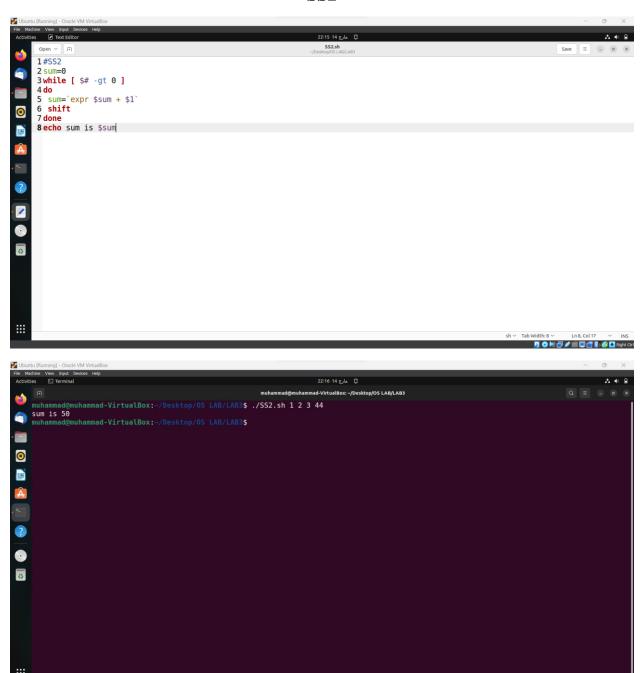
(13 Mar 2023)

Department of Computer systems engineering University of Engineering and Technology, Peshawar 1. Run all the programs given in the Lab Notes, and observe the output for each program.

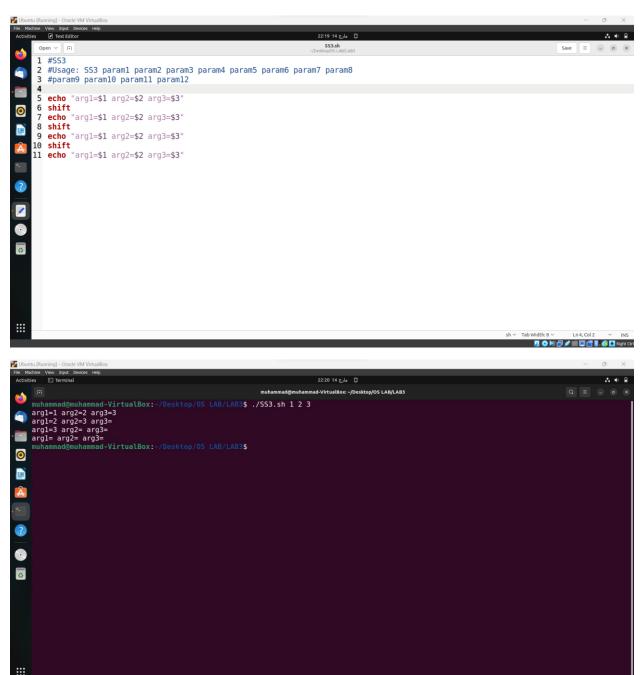
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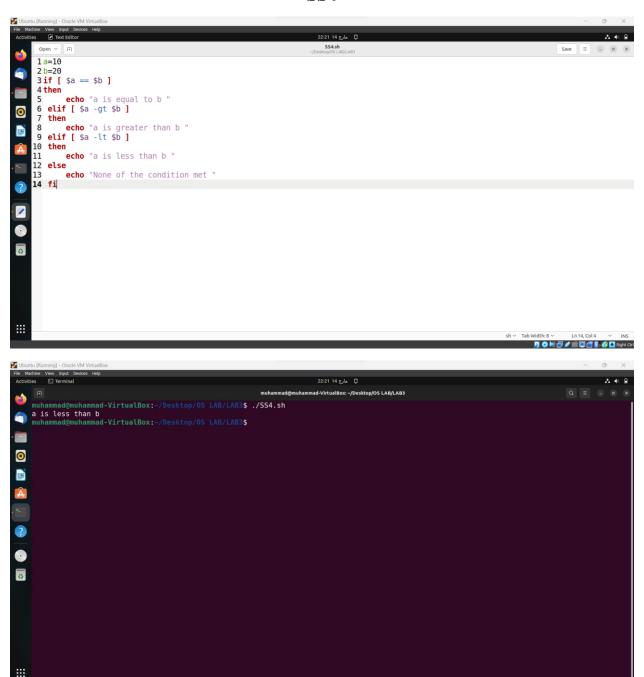
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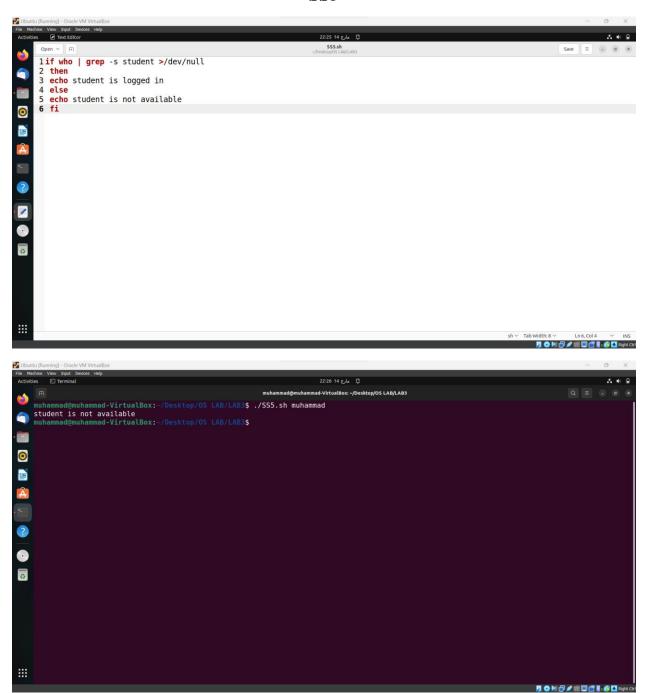
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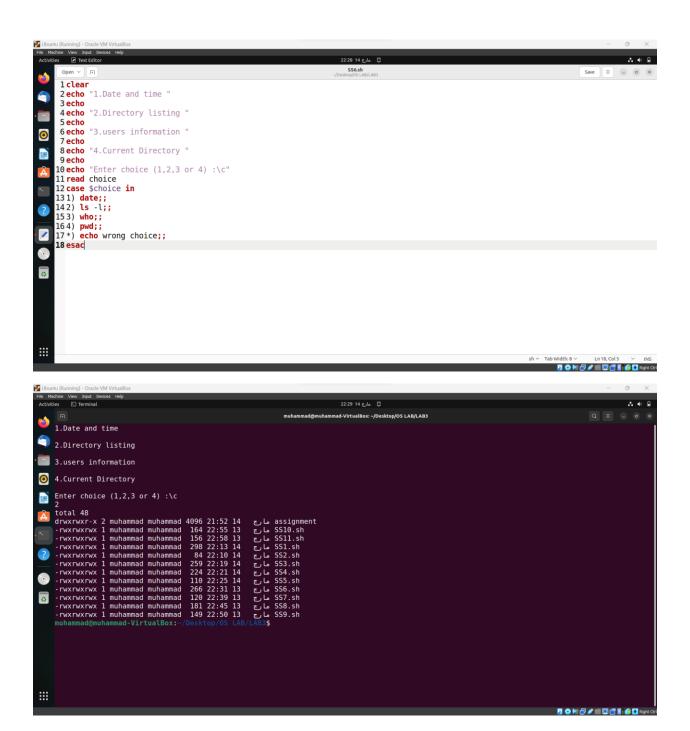


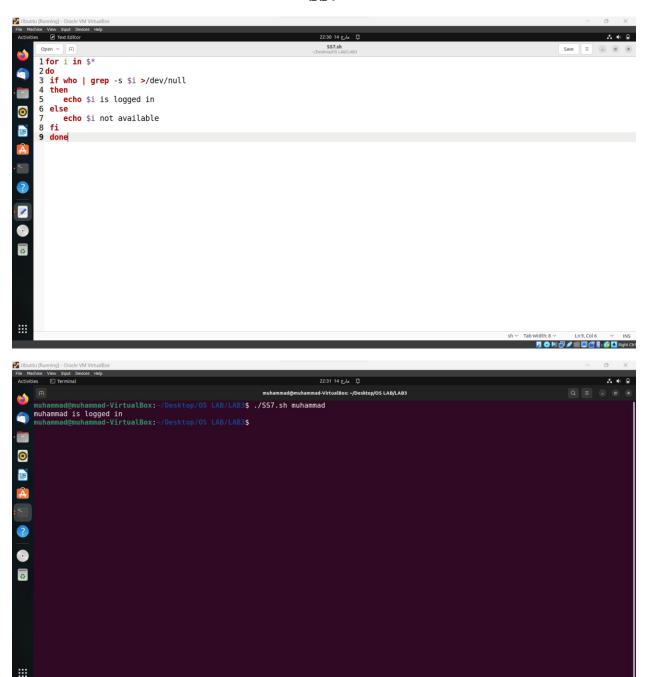
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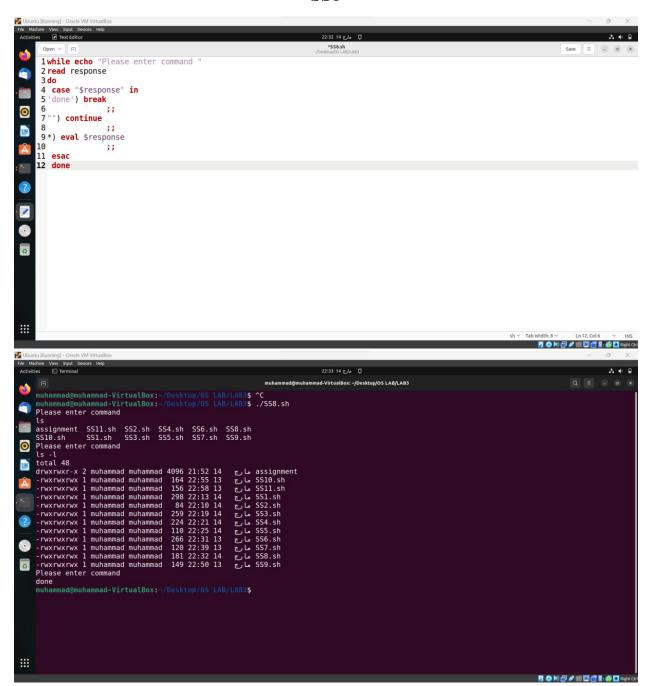


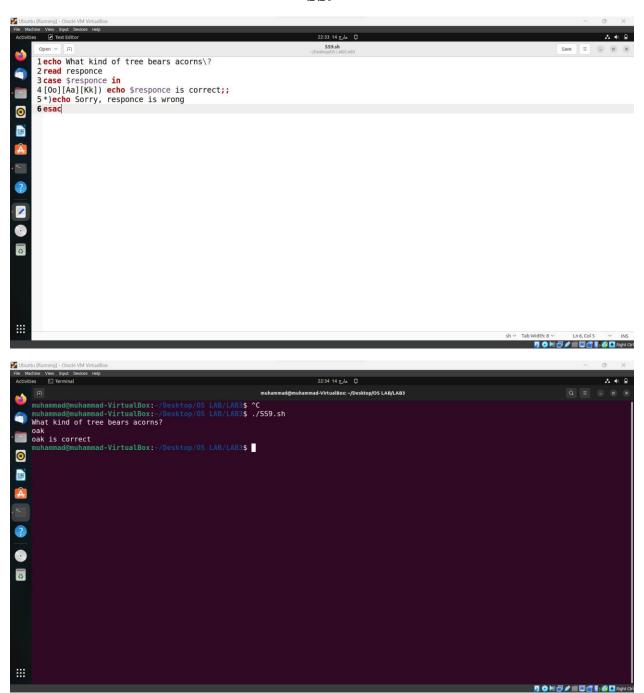
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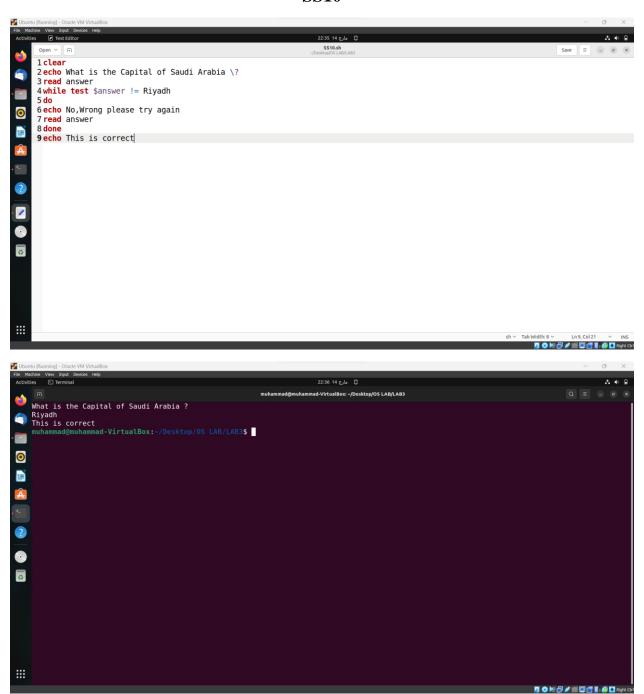


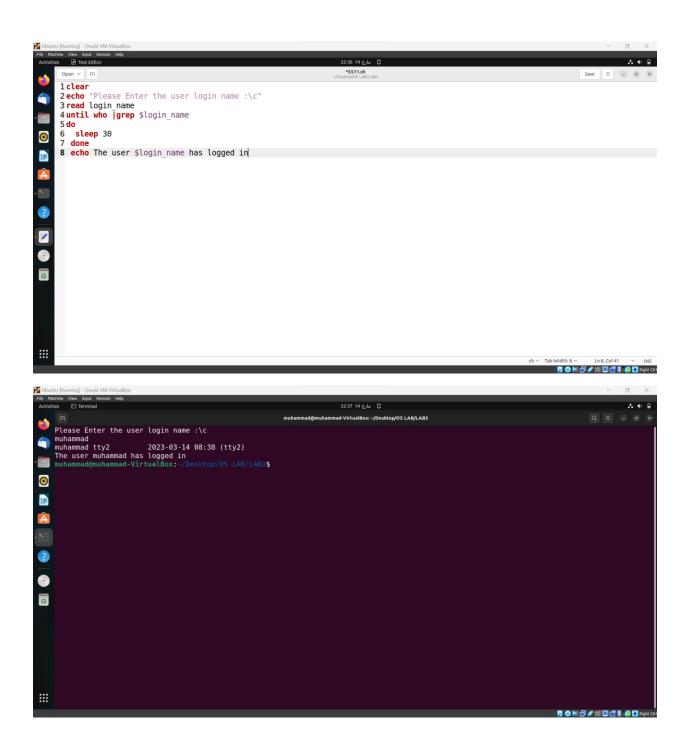






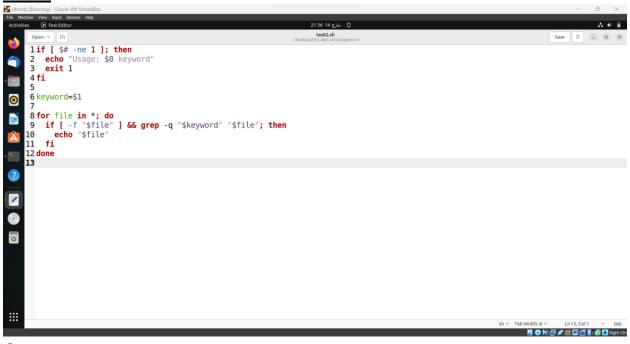


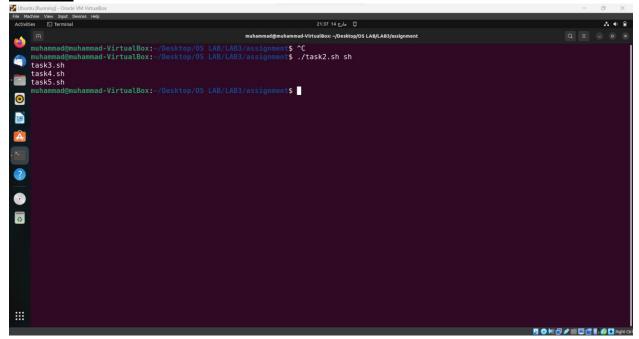




2. Write a shell script that takes a keyword as a command line argument and lists the filenames containing the keyword

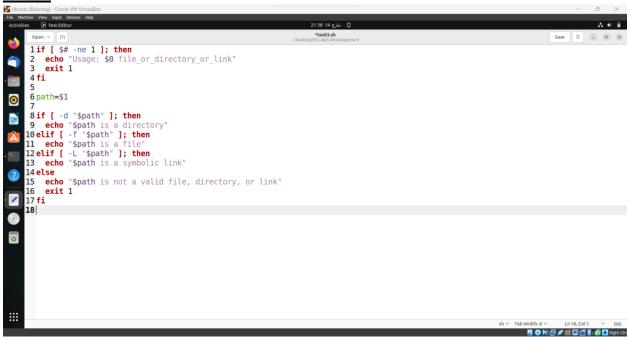
Code:

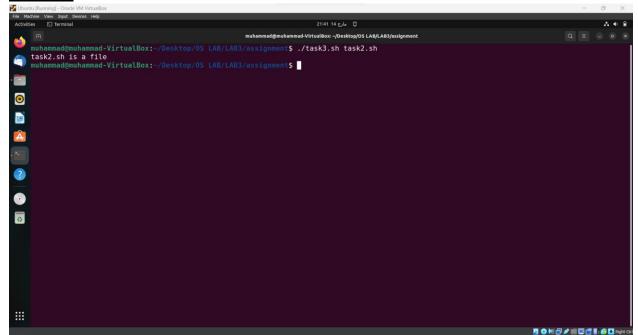




3. Write a shell script that takes a command line argument and reports whether it is a directory, or a file or a link.

Code:

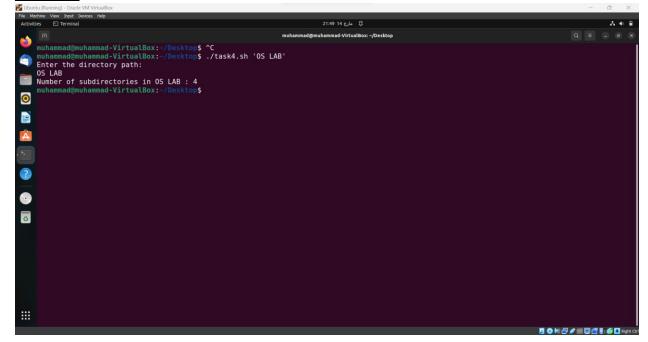




4. Write a script to find the number of sub directories in a given directory.

Code:





- 5. Write a menu driven program that has the following options.
- 5.1. Search a given file is in the directory or not.
- 5.2. Display the names of the users logged in.

Code:

```
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      lecho "Menu:"
2echo "1. Search a file in a directory"
3echo "2. Display names of users logged in"
      4 echo "3. Exit"
      6 read -p "Enter your choice: " choice
<u>•</u>
      8 case $choice in
1) # Search a file in a directory
                   read -p "Enter the filename to search: " filename
if [ -e "$filename" ]; then
                        echo "File found in the current directory"
                   else
                        echo "File not found in the current directory"
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                   fi
             2) # Display names of users logged in who | awk '{print $1}' | sort -u
             3) # Exit
echo "Exiting the program"
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                   exit 0
             *) # Invalid choice
                   echo "Invalid choice, please try again"
     26
27 esac
28
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