## **ROLL NO 422160**

## NAME JASTHI RAMYA

# Assignment 07:

# Get the number of columns in the terminal

1. Write shell script for commands: more,nl,nice,passwd,pr,rlogin,rcp,rsh,talk,telnet,tput,tty,uname,wc,who,write #!/bin/bash # Display the contents of file1.txt cat file1.txt # Display the contents of file1.txt with line numbers nl file1.txt # Run a command with a specified priority (modify 'your\_command' accordingly) nice -n 10 ls -l # Change the password for the current user (might not work in a script) passwd # Prepare file1.txt for printing (commented out as it may not be necessary) pr file1.txt # Remote login to 127.0.0.1 (may not work, consider using ssh instead) rlogin 127.0.0.1 # Copy file1.txt to file2.txt using rcp (may not be enabled or recommended) rcp file1.txt file2.txt # Execute a command remotely on 127.0.0.1 with specified priority (modify 'your\_command' accordingly) rsh 127.0.0.1 -n 10 your\_command # Initiate a talk session with the user 'student' (may not work, consider using other communication tools) talk student # Initiate a telnet session to 127.0.0.1 (may not be enabled or recommended) telnet 127.0.0.1

## tput cols

# Print the file name of the terminal connected to standard input tty

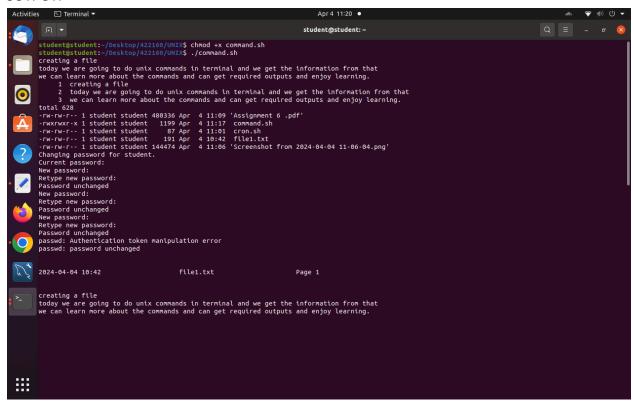
# Print system information uname -a

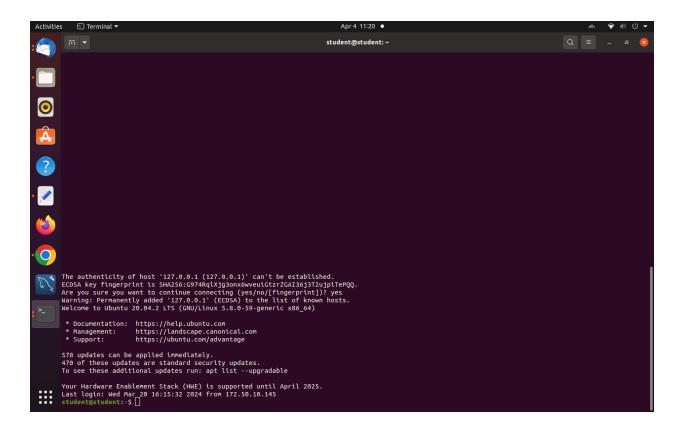
# Count lines, words, and characters in file1.txt wc file1.txt

# Display who is logged in who

write student

## OUTPUT:





2. Write a shell script that list the memory usage and cpu usage of multiple machines.

#!/bin/bash

```
# List of remote machines
machines=("127.0.0.1" "172.50.9.213" "172.50.11.106")

# SSH into each machine and retrieve memory and CPU usage
for machine in "${machines[@]}"; do
    echo "Machine: $machine"
    ssh "$machine" "echo 'Memory Usage:'; free -m; echo "; echo 'CPU Usage:'; top -bn1 | grep 'Cpu(s)"
    echo ""
done
```

## OUTPUT:

