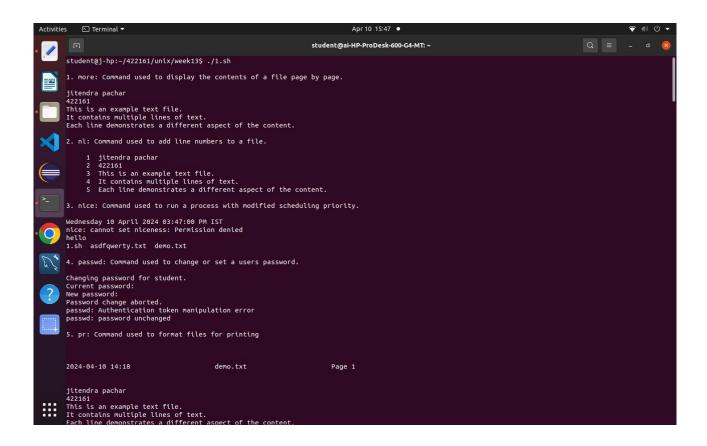
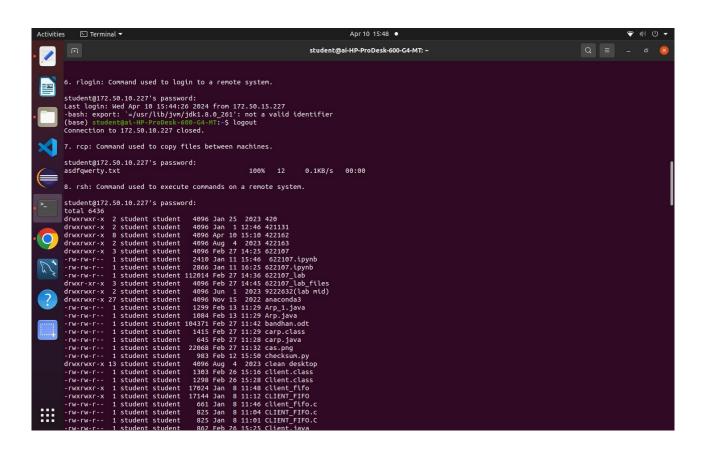
Assignment 7 Jitendra Pachar roll no.: 422161 QUESTION 1: #!/bin/bash echo "" echo "1. more: Command used to display the contents of a file page by page." more demo.txt echo "" echo "2. nl: Command used to add line numbers to a file." echo "" nl demo.txt echo "" echo "3. nice: Command used to run a process with modified scheduling priority." nice -n 0 date # Run 'command' with the default priority nice -n -5 echo "hello" # Run 'command' with a higher priority # Run 'command' with a lower priority nice -n 10 ls echo "" echo "4. passwd: Command used to change or set a users password." echo "" passwd echo "" echo "5. pr: Command used to format files for printing" echo "" pr -l 60 demo.txt echo "" echo "6. rlogin: Command used to login to a remote system." echo "" rlogin 172.50.10.227 echo "" echo "7. rcp: Command used to copy files between machines." rcp asdfqwerty.txt 172.50.10.227:/home/student/422162 echo "" echo "8. rsh: Command used to execute commands on a remote system." echo "" rsh 172.50.10.227 ls -l

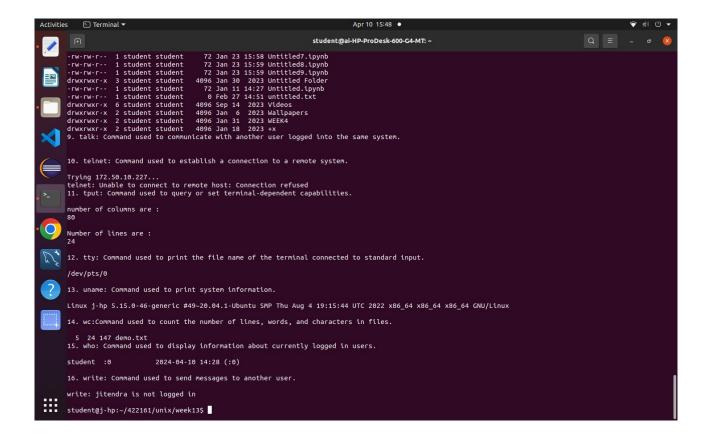
echo "9. talk: Command used to communicate with another user logged into the same system." echo "" talk jitendra echo ""

```
echo "10. telnet: Command used to establish a connection to a remote system."
echo ""
telnet 172.50.10.227
echo "11. tput: Command used to query or set terminal-dependent capabilities."
echo ""
echo "number of columns are:"
tput cols
echo ""
echo "Number of lines are:"
tput lines
echo ""
echo "12. tty: Command used to print the file name of the terminal connected to standard input."
echo ""
tty
echo ""
echo "13. uname: Command used to print system information."
echo ""
uname -a
echo ""
echo "14. wc:Command used to count the number of lines, words, and characters in files."
echo ""
wc demo.txt
echo "15. who: Command used to display information about currently logged in users."
echo ""
who
echo ""
echo "16. write: Command used to send messages to another user."
write jitendra
Echo ""
Question 2:
#!/bin/bash
# List of machines to monitor (replace with your own)
machines=("machine1" "machine2" "machine3")
# SSH username
username="your_username"
# Function to get memory and CPU usage
get_usage() {
  local machine=$1
  echo "=== $machine ==="
  echo "Memory Usage:"
  ssh $username@$machine "free -m"
  echo "CPU Usage:"
  ssh $username@$machine "top -bn1 | grep 'Cpu(s)'"
  echo
# Iterate over machines and get usage
for machine in "${machines[@]}"; do
 get_usage $machine
done
```

## **OUTPUT:**







```
student@j-hp:~/422161/unix/week13$ ./2.sh
bash: ./2.sh: Permission denied
student@j-hp:~/422161/unix/week13$ chmod +rwx 2.sh
student@j-hp:~/422161/unix/week13$ ls -l 2.sh
-rwxrwxr-x 1 student student 508 Apr 10 15:59 2.sh
student@j-hp:~/422161/unix/week13$ ./2.sh
=== machine1 ===
Memory Usage:
ssh: Could not resolve hostname machine1: Temporary failure in name resolution
CPU Usage:
ssh: Could not resolve hostname machine1: Temporary failure in name resolution
=== machine2 ===
Memory Usage:
ssh: Could not resolve hostname machine2: Temporary failure in name resolution
CPU Usage:
ssh: Could not resolve hostname machine2: Temporary failure in name resolution
=== machine3 ===
Memory Usage:
ssh: Could not resolve hostname machine3: Temporary failure in name resolution
CPU Usage:
ssh: Could not resolve hostname machine3: Temporary failure in name resolution
student@j-hp:~/422161/unix/week13$
```