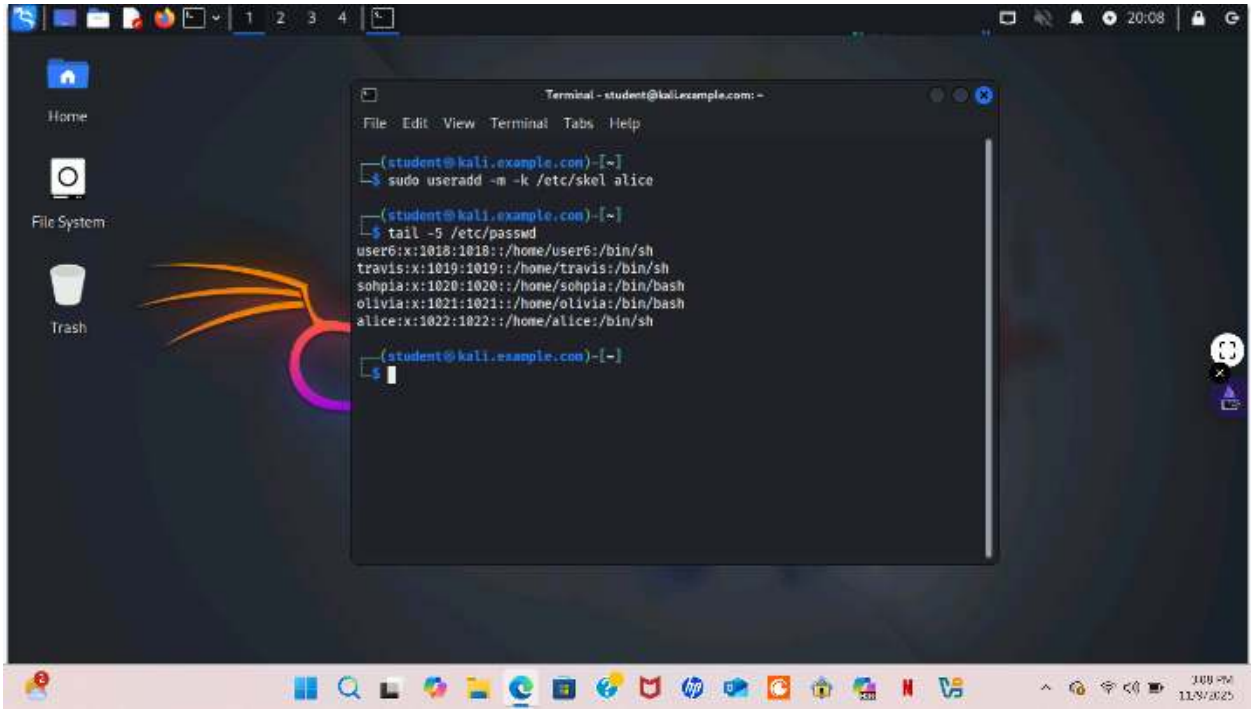
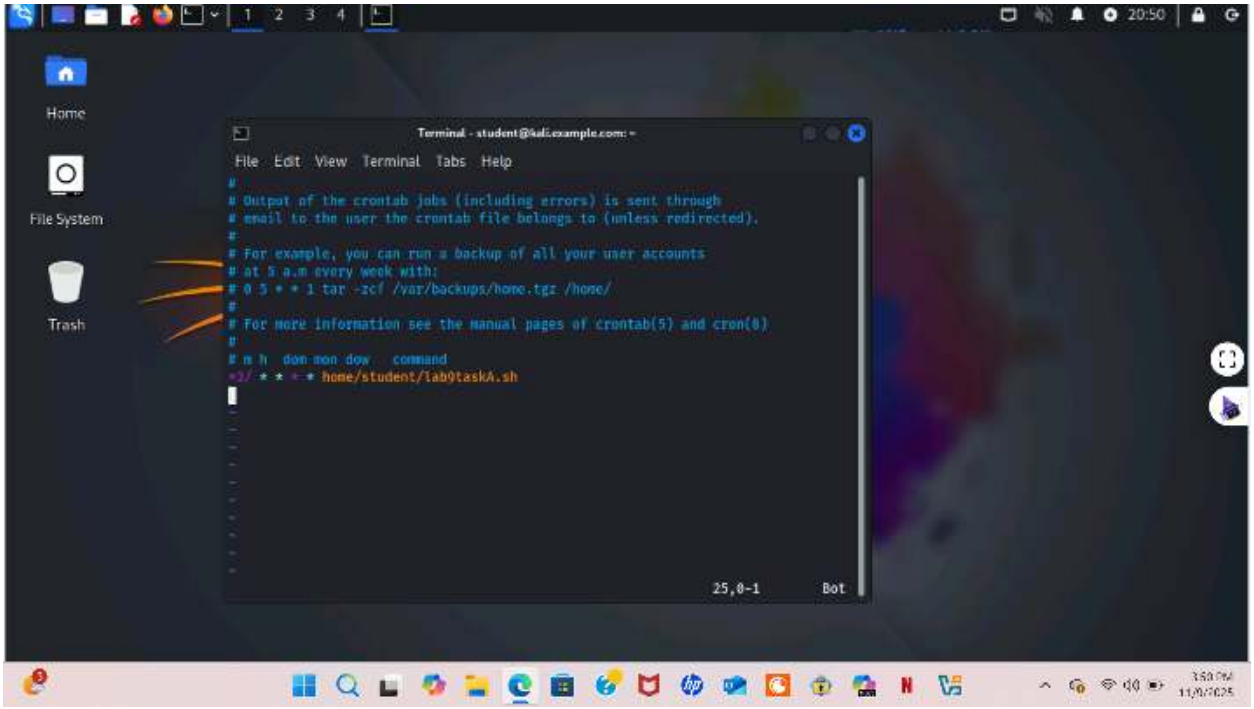
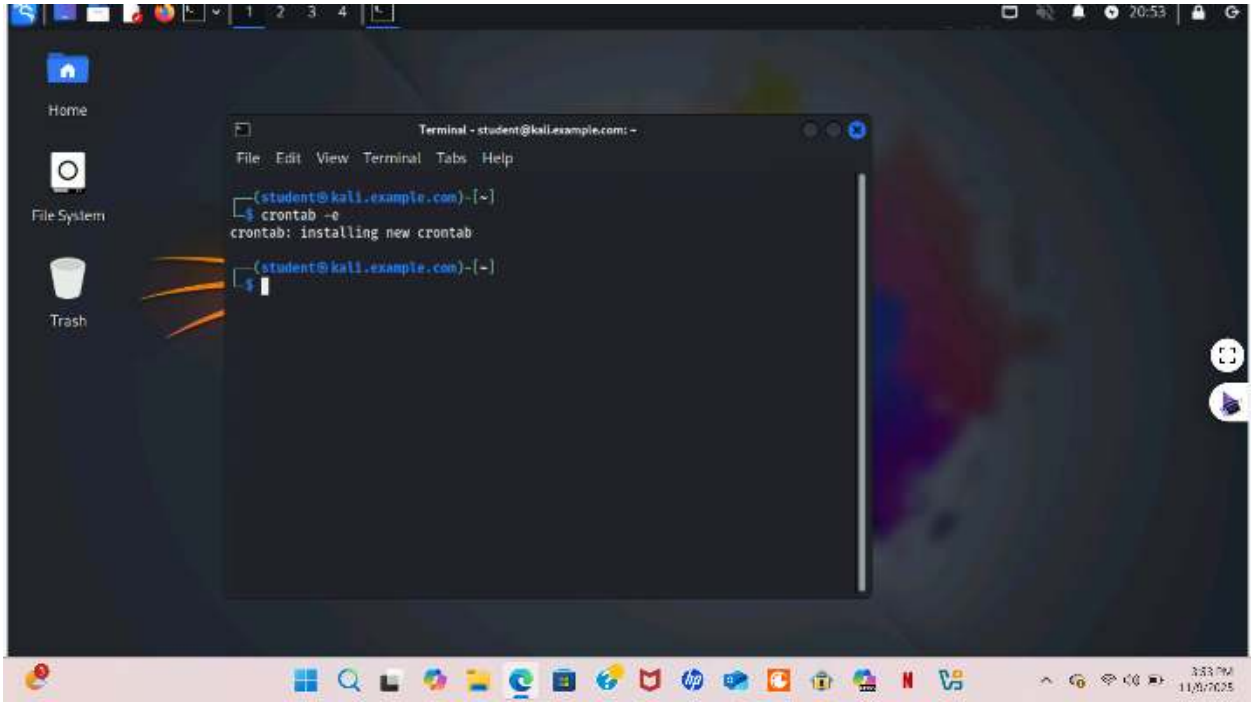
CYSE 270: Linux System for Cybersecurity Assignment - 9

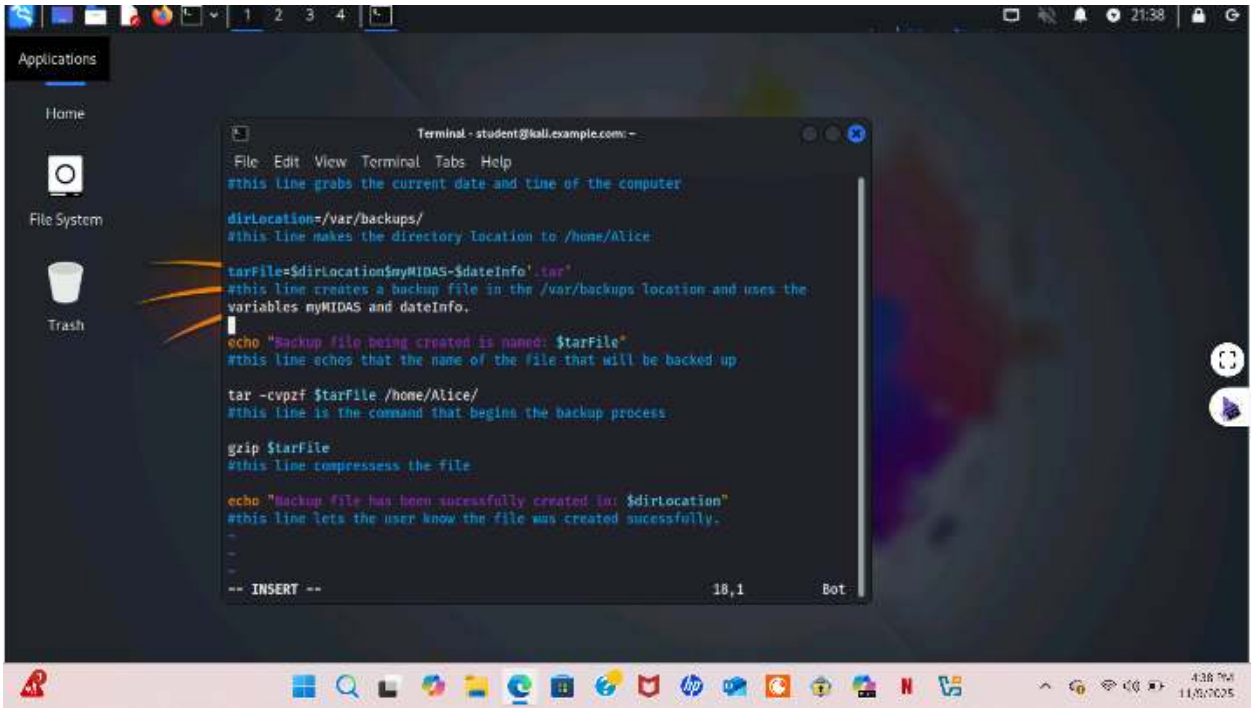
1. (10 Points) Create a new user Alice (with a home directory)

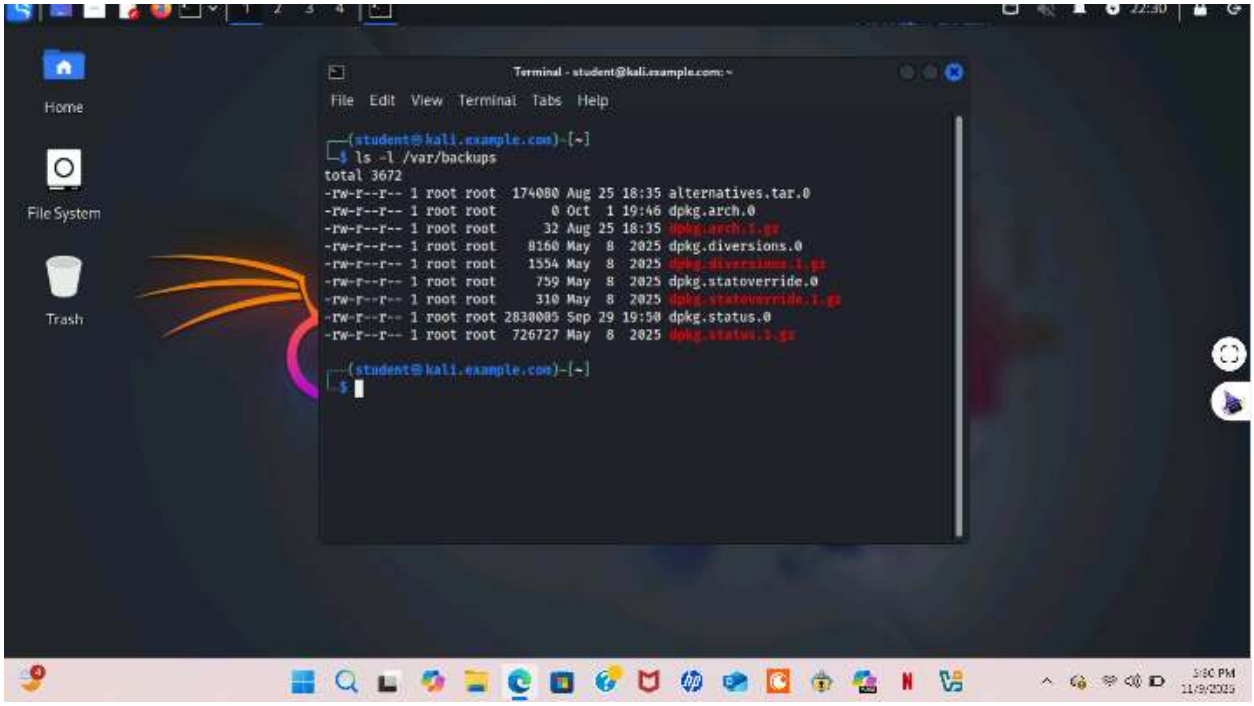


(50 Points) Write a shell script that backs up Alice's home directory by creating a tar file (tape archive), using the following steps




Home
File System
Trash
Terminal - student@kali.example.com: ~
File Edit View Terminal Tabs Help
(student㉿kali.example.com)-[~]
$ crontab -e
crontab: installing new crontab
(student㉿kali.example.com)-[~]
$


Applications
Home
File System
Trash
Terminal - student@kali.example.com: ~
File Edit View Terminal Tabs Help
#this line grabs the current date and time of the computer
dirLocation=/var/backups/
#this line makes the directory location to /home/Alice
tarFile=$dirLocation$myMIDAS-$dateInfo'.tar'
#this line creates a backup file in the /var/backups location and uses the
variables myMIDAS and dateInfo.
echo "Backup file being created is named: $tarFile"
#this line echos that the name of the file that will be backed up
tar -cvpzf $tarFile /home/Alice/
#this line is the command that begins the backup process
gzip $tarFile
#this line compressess the file
echo "Backup file has been sucessfully created in: $dirLocation"
#this line lets the user know the file was created sucessfully.
-- INSERT --
18,1
Bot



This lab wasn't hard at all, as you can see, I finished it in a couple of screenshots. I wrote a shell script in Vi, and I learned how to use it properly. It was a challenge for me at first to use it and learn it. I am comfortable with Vi, but I'm decently comfortable with it.