

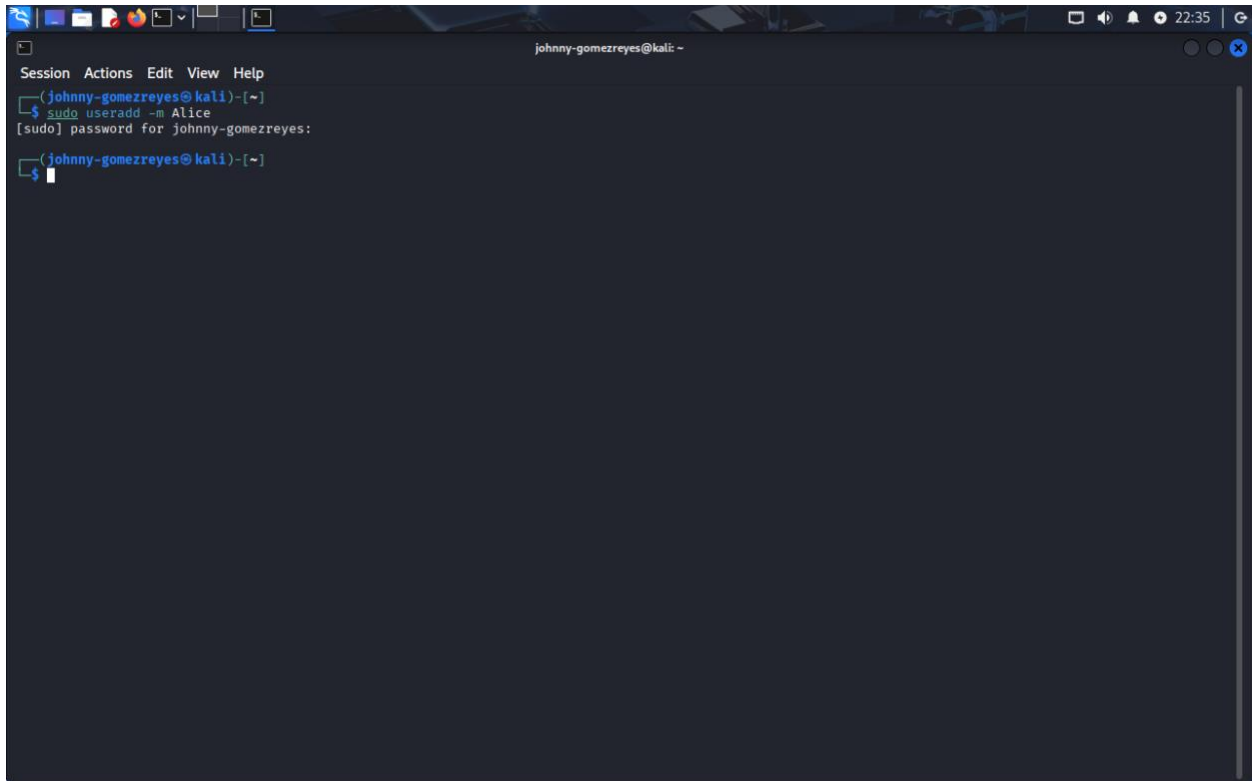
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## CYSE 270: Linux System for Cybersecurity

### Assignment: Lab 9 – Task Automation

#### Task A:

##### Step 1:



```
johnny-gomezreyes@kali: ~  
Session Actions Edit View Help  
johnny-gomezreyes@kali ~  
└─$ sudo useradd -m Alice  
[sudo] password for johnny-gomezreyes:  
johnny-gomezreyes@kali ~  
└─$
```

##### Step 2-3:

```
johnny-gomezreyes@kali: ~
Session Actions Edit View Help
#!/bin/bash

current_date=$(date +%Y.%m.%d-%H.%M.%S)
user_input="jgome027"
filename="${user_input}-${current_date}"

tar -cf /tmp/$filename.tar /home/Alice

mv /tmp/$filename.tar /var/backups/

gzip /var/backups/$filename.tar
```

"/home/Alice/backup.sh" 11L, 226B 11,31 All

```
johnny-gomezreyes@kali: ~
Session Actions Edit View Help
# Edit this file to introduce tasks to be run by cron.
#
# Each task to run has to be defined through a single line
# indicating with different fields when the task will be run
# and what command to run for the task
#
# To define the time you can provide concrete values for
# minute (m), hour (h), day of month (dom), month (mon),
# and day of week (dow) or use '*' in these fields (for 'any').
#
# Notice that tasks will be started based on the cron's system
# daemon's notion of time and timezones.
#
# Output of the crontab jobs (including errors) is sent through
# email to the user the crontab file belongs to (unless redirected).
#
# For example, you can run a backup of all your user accounts
# at 5 a.m every week with:
# 0 5 * * 1 tar -zcf /var/backups/home.tgz /home/
#
# For more information see the manual pages of crontab(5) and cron(8)
#
# m h dom mon dow   command
*/3 * * * * /home/Alice/backup.sh jgome027 $(date +%Y.%m.%d-%H.%M.%S)
```

-- INSERT -- 24,76 All

Step4:

```
johnny-gomezreyes@kali: ~
Session Actions Edit View Help
(johnny-gomezreyes@kali)-[~]
└─$ sudo vi /home/Alice/backup.sh
[sudo] password for johnny-gomezreyes:
(johnny-gomezreyes@kali)-[~]
└─$ chmod +x /home/Alice/backup.sh
chmod: cannot access '/home/Alice/backup.sh': Permission denied
(johnny-gomezreyes@kali)-[~]
└─$ sudo chmod +x /home/Alice/backup.sh
(johnny-gomezreyes@kali)-[~]
└─$ sudo crontab -e
no crontab for root - using an empty one
Select an editor. To change later, run select-editor again.
 1. /bin/nano ← easiest
 2. /usr/bin/vim.basic
 3. /usr/bin/vim.tiny
Choose 1-3 [1]: 2
crontab: installing new crontab
(johnny-gomezreyes@kali)-[~]
└─$ ls -l /var/backups/
total 3816
-rw-r--r-- 1 root root 174080 Oct 7 10:53 alternatives.tar.0
-rw-r--r-- 1 root root 165136 Nov 11 11:33 apt.extended_states.0
-rw-r--r-- 1 root root 18863 Oct 6 23:23 apt.extended_states.1.gz
-rw-r--r-- 1 root root 0 Nov 13 11:10 dpkg.arch.0
-rw-r--r-- 1 root root 32 Oct 7 10:53 dpkg.arch.1.gz
-rw-r--r-- 1 root root 8701 Oct 6 23:25 dpkg.diversions.0
-rw-r--r-- 1 root root 1610 Oct 6 23:25 dpkg.diversions.1.gz
-rw-r--r-- 1 root root 729 Nov 11 11:33 dpkg.statoverride.0
-rw-r--r-- 1 root root 287 Oct 6 23:22 dpkg.statoverride.1.gz
-rw-r--r-- 1 root root 2797829 Nov 11 11:33 dpkg.status.0
-rw-r--r-- 1 root root 710744 Oct 6 23:23 dpkg.status.1.gz
(johnny-gomezreyes@kali)-[~]
└─$ sudo crontab -e
crontab: installing new crontab
(johnny-gomezreyes@kali)-[~]
└─$
```