UNIVERSITY INSTITUTE of COMPUTING
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Experiment No. 3.2

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Subject Name: Linux Administration Lab
Subject Code: 22CAP-638

1. Aim/Overview of the practical:

Q.1 Schedule echo command to type ur UID on 30th June 08:30 pm. Perform tar command to backup file1 and file2 on 5th july at 11am and 4pm. perform echo ur name on very weekday during working hours.

Q.2 Schedule two jobs of echo with at, display the at queue and remove a job. schedule ls command to run every four hour. display the crontab file of your normal user Then , remove your crontab file.

2. Code for practical:

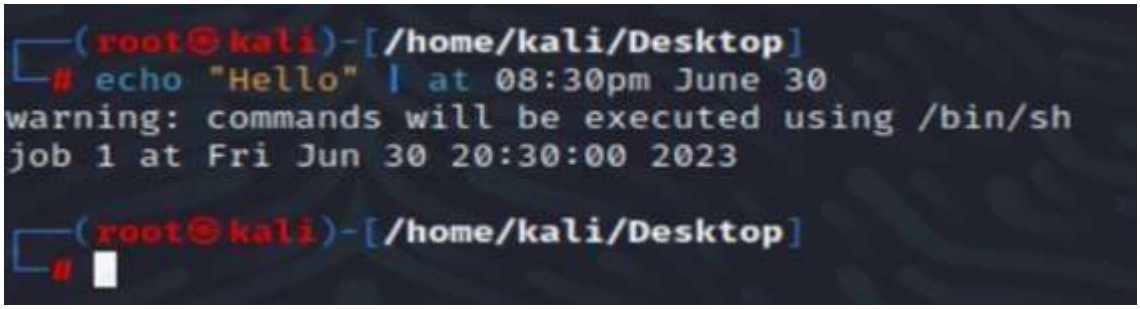
Q1.

- Open Linux on virtual machine.
- Install at using following commands.

```
sudo apt update
```

```
sudo apt install at
```

- To Print hello on June 30th, use echo "Hello" | at 08:30pm June 30



- Command will be scheduled for this.

- To create a backup on 11am use command tar -cvf MyBackup.tar File1 File2 | at 11:00 Today

```
┌──(root㉿kali)-[/home/kali/Desktop]
└─# tar -cvf MyBackup.tar File1 File2 | at 11:00 Today
warning: commands will be executed using /bin/sh
job 2 at Sat Jan  7 11:00:00 2023
```

- Install cron using following commands.

apt-get update & apt-get -y upgrade

apt-get install cron

- To perform echo your name on every workday at 4pm use echo “Rishav” | cron 0 16 * * 1-5

```
┌──(root㉿kali)-[/home/kali/Desktop]
└─# echo "Rishav" | cron 0 16 * * 1-5
```

Q2.

- Schedule two echo commands .
- To view scheduled tasks use at -l
- To remove a task use at -r [Task-id]

```
┌──(root㉿kali)-[/etc]
└─# at -l
4       Sat Jan  7 16:10:00 2023 a root
2       Sat Jan  7 11:00:00 2023 a root
3       Sat Jan  7 16:00:00 2023 a root
1       Fri Jun 30 20:30:00 2023 a root

┌──(root㉿kali)-[/etc]
└─# at -r 4

┌──(root㉿kali)-[/etc]
└─# at -l
2       Sat Jan  7 11:00:00 2023 a root
3       Sat Jan  7 16:00:00 2023 a root
1       Fri Jun 30 20:30:00 2023 a root
```

- To schedule ls command to run every 4 hours, use ls -a | cron 0 4 * * *

********** **THE END** **********