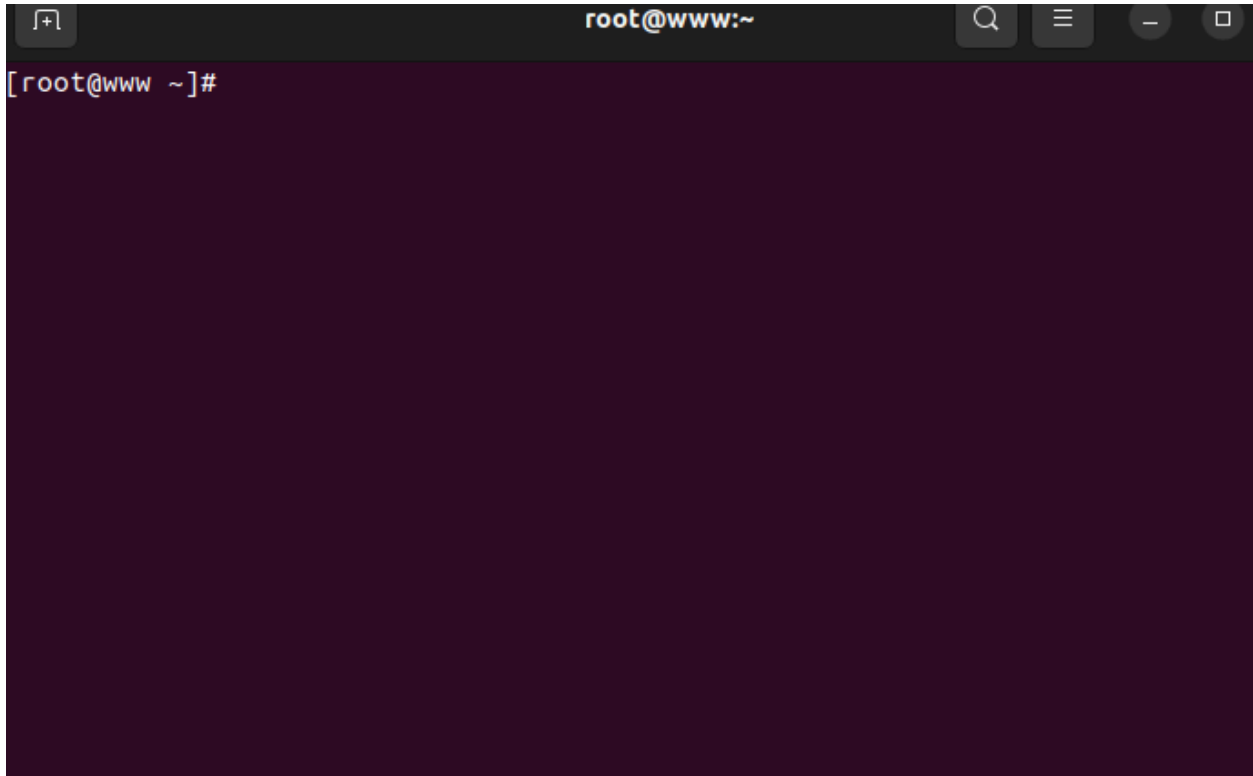
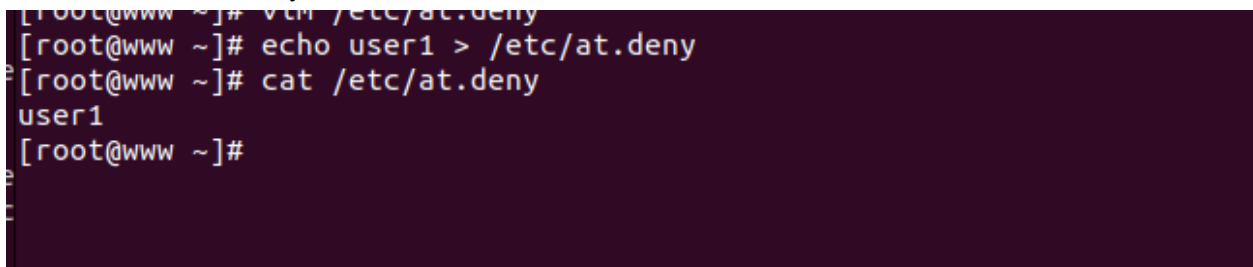


1-login as root

A terminal window with a dark purple background. The title bar shows 'root@www:~' and standard window controls. The prompt is '[root@www ~]#'.

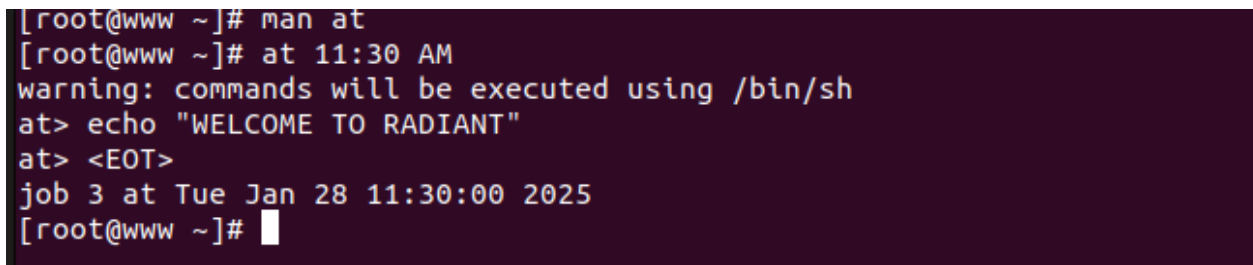
```
[root@www ~]#
```

2- add user1 to at.deny

A terminal window with a dark purple background. The prompt is '[root@www ~]#'. The user enters 'vim /etc/at.deny', then 'echo user1 > /etc/at.deny', then 'cat /etc/at.deny', and the output is 'user1'.

```
[root@www ~]# vim /etc/at.deny
[root@www ~]# echo user1 > /etc/at.deny
[root@www ~]# cat /etc/at.deny
user1
[root@www ~]#
```

3- cron echo "WELCOME TO RADIANT"

A terminal window with a dark purple background. The user enters 'man at', then 'at 11:30 AM', then 'warning: commands will be executed using /bin/sh', then 'at> echo "WELCOME TO RADIANT"', then 'at> <EOT>', and the output is 'job 3 at Tue Jan 28 11:30:00 2025'.

```
[root@www ~]# man at
[root@www ~]# at 11:30 AM
warning: commands will be executed using /bin/sh
at> echo "WELCOME TO RADIANT"
at> <EOT>
job 3 at Tue Jan 28 11:30:00 2025
[root@www ~]#
```

4- remove an at job

```
[root@www boot]# at -l
3      Tue Jan 28 11:30:00 2025 a root
[root@www boot]# atrm3
bash: atrm3: command not found...
Similar command is: 'atrm'
[root@www boot]# atrm 3
[root@www boot]# at -l
[root@www boot]#
```

5- show jobs waiting to be executed

```
[root@www boot]# at -l
[root@www boot]# echo "echo \"waiting to be executed\"" | at 10:30
warning: commands will be executed using /bin/sh
job 4 at Tue Jan 28 10:30:00 2025
[root@www boot]# echo "echo \"waiting to be executed\"" | at 10:34
warning: commands will be executed using /bin/sh
job 5 at Tue Jan 28 10:34:00 2025
[root@www boot]# echo "echo \"waiting to be executed\"" | at 10:32
warning: commands will be executed using /bin/sh
job 6 at Tue Jan 28 10:32:00 2025
[root@www boot]# echo "echo \"waiting to be executed\"" | at 10:31
warning: commands will be executed using /bin/sh
job 7 at Tue Jan 28 10:31:00 2025
[root@www boot]# at -l
4      Tue Jan 28 10:30:00 2025 a root
5      Tue Jan 28 10:34:00 2025 a root
6      Tue Jan 28 10:32:00 2025 a root
7      Tue Jan 28 10:31:00 2025 a root
[root@www boot]#
```

6- delete an at job

```
batch
[root@www vomato]# atrm 7
[root@www vomato]# at -l
4      Tue Jan 28 10:30:00 2025 a root
5      Tue Jan 28 10:34:00 2025 a root
6      Tue Jan 28 10:32:00 2025 a root
[root@www vomato]#
```

7- creating a cron job for 6:30 each day

```
[root@www cron]# crontab -e
no crontab for root - using an empty one
crontab: installing new crontab
[root@www cron]# crontab -l
30 6 * * * echo "bla"
[root@www cron]#
```

8-delete a user crontab file

```

[root@www cron]# crontab -r -u root
[root@www cron]# crontab -l -u root
no crontab for root
[root@www cron]#

```

8-delete a user crontab

9- display a user crontab files

```

[root@www cron]# crontab -l -u root
no crontab for root
[root@www cron]# crontab -l -u root
no crontab for root
[root@www cron]#

```

10- denying access for user1

```

[root@www cron]# echo "user1" >> /etc/cron.d/
cron.d/      cron.deny      cron.monthly/ cron.weekly/
cron.daily/  cron.hourly/  crontab
[root@www cron]# echo "user1" >> /etc/cron.deny
[root@www cron]#

```

11- allow access only for user1,user2,user3

```

[root@www cron]# vim /etc/cron.allow
[root@www cron]# cat /etc/cron.allow
user1
user2
user3
[root@www cron]#

```

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