Activity 1:

    Deliverable:

    Biggest file in /var/log

        Lastlog – 293k

Activity 2:

    Deliverable

```
student7@PiProfessorShi:/ $ cd
student7@PiProfessorShi:~ $ mkdir my_practice
student7@PiProfessorShi:~ $ ls
my_practice
student7@PiProfessorShi:~ $ cd my_practice/
student7@PiProfessorShi:~/my_practice $ touch file1.txt file2.txt file3.txt
student7@PiProfessorShi:~/my_practice $ l
-bash: l: command not found
student7@PiProfessorShi:~/my_practice $ ls
file1.txt  file2.txt  file3.txt
student7@PiProfessorShi:~/my_practice $ cp file1.txt /tmp
student7@PiProfessorShi:~/my_practice $ mv file2.txt /home/pi
mv: cannot move 'file2.txt' to '/home/pi': Permission denied
student7@PiProfessorShi:~/my_practice $ sudo mv file2.txt /home/pi
[sudo] password for student7:
Sorry, try again.
[sudo] password for student7:
student7@PiProfessorShi:~/my_practice $ rm file3.txt
student7@PiProfessorShi:~/my_practice $ ls
file1.txt
student7@PiProfessorShi:~/my_practice $
```

Activity 3 (4)

    Deliverable

    /etc/pip.conf

    Root:x:0:0:root:/root:/bin/bash

Activity 4 (3)

Deliverable

```
student7@PiProfessorShi:~/my_practice $ cd
student7@PiProfessorShi:~ $ touch practice.txt
student7@PiProfessorShi:~ $ chmod 640 practice.txt
student7@PiProfessorShi:~ $ ls -l practice.txt
-rw-r----- 1 student7 student7 0 Jan 10 11:01 practice.txt
student7@PiProfessorShi:~ $ chmod u+x practice.txt
student7@PiProfessorShi:~ $ ls -l practice.txt
-rwxr----- 1 student7 student7 0 Jan 10 11:01 practice.txt
student7@PiProfessorShi:~ $
```

Activity 5

Deliverable

```
student7@PiProfessorShi:~ $ sudo ls -l /home/testuser1/shared.txt
-rwxrwx--- 1 testuser1 testgroup1 0 Jan 10 11:04 /home/testuser1/shared.txt
student7@PiProfessorShi:~ $ su test1
Password:
test1@PiProfessorShi:/home/student7 $ nano /home/testuser1/shared.txt
test1@PiProfessorShi:/home/student7 $
```

Activity 6

Deliverable

```
student7@PiProfessorShi:~/backup $ crontab -l
# 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

* * * * * usr/bin/cp home/student7/my_practice/backup_sample.txt home/student/backup/backup_sample_$(date +\%Y\%m\%d).txt

student7@PiProfessorShi:~/backup $ ls
backup_sample_20250113.txt
student7@PiProfessorShi:~/backup $
```

Activity 7

Deliverable

116.55 GB

93M