**Linux EXERCISE SOLVED**

Ans 1. root@roma:/home# mkdir -p exercise/dir1/dir2/dir3

Ans 2. root@roma:/home# touch exercise/dir1/dir2/File1.txt exercise/dir1/dir2/File2.txt

Ans 3. root@roma:/home# echo "hello world" > file1.txt

Ans 4. root@roma:/home# find /etc -name passwd

root@roma:/home# sudo cp /etc/passwd /etc/passwd\_copy

root@roma:/home# mv /etc/passwd-copy /etc/passwd\_backup

Ans 5. root@roma:/etc# cat passwd\_backup

root@roma:/etc# less passwd\_backup

root@roma:/etc# more passwd\_backup

The **cat** utility reads files sequentially, writing them to the standard output.

Less is a program similar to more, but which allows backward movement in the file as well as forward movement.

**More** is a filter for paging through text one screenful at a time.

Ans 6.root@roma:/etc# grep -c "/bin/false" passwd\_backup

Ans 7. root@roma:/etc# head -n 5 passwd\_backup > output.txt

Ans 8. root@roma:/# useradd test

root@roma:/# passwd test

root@roma:/# id -u test

root@roma:/# id -g test

Ans 9. root@roma:/home/exercise/dir1/dir2# touch -a -m -t 203801181205.09 file1.txt

root@roma:/home/exercise/dir1/dir2# touch -a -m -t 203801181206.07 file2.txt

Ans 10. test@test:/home# chmod 777 output.txt

1.id roma

usermod -G roma testuser

chown roma 461 output.txt

2.chown 461 output.txt

3.chown 241 output.txt

Ans 11. alias roma = ‘cd /tmp/aliastesting’

Ans 12. In bash.rc file of test user :

clear

echo “welcome”

Ans 13.root@roma:/home# sudo apt-get install zip

Ans 14.root@roma:tar -czvf tar1.tar /etc/output.txt /etc/passswd\_backup.txt

root@roma:tar tzf tar1.tar

Ans 15.root@roma:scp /etc/tar1.tar test

Ans 16.root@roma:scp roma:/etc/tar1.tar /local/dir1

root@roma1:cd local/dir1

root@roma1:tar -xvf tar1.tar

Ans 17.root@roma:/home/roma/Desktop# mkdir image

root@roma:/home/roma# mv Downloads/img.jpeg Desktop/image/

Ans 18. man <name of command>

Ans 19. root@roma:/home/roma# ln -s /etc/services /tmp/ports-info

Ans 20. root@roma:whereis xyz