

Week 3

Basic Commands

pwd
ls
cd
echo
man

Folder manipulation commands

mkdir
rmdir

File manipulation commands

rm
mv
cp
cat
cmp
wc
comm
diff
touch
chmod

Text Processing commands

sort
uniq
head
tail
paste
cut

Week 4

Fork program

```
import os
pid = os.fork()
if pid == 0:
    print("This is the child process.")
else:
    print("This is the parent process.")
```

Exec program

```
import os
pid = os.fork()
if pid == 0:
    os.execlp("ls", "ls", "-l")
else:
    print("This is the parent process.")
```

Commands

bg
fg
nohup
pnice
kill
top
ps

Week 5

top -H
ps
cat /proc/PID/status
cat /proc/sys/kernel/threads-max
cat /proc/sys/kernel/pid_max
ls /proc/PID/task | wc -l
ps hH PID | wc -l
ps -T -p PID

Week 6

cat /proc/meminfo
free
vmstat
top
top -H
top - -a

Week 8

crontab -e
*/1 * * * * free --h >> /home/vvp cs/Desktop/output.txt
ls
cat output.txt

Week 9

ifconfig
iwconfig
ethtool
ping
netstat
dstat
nload
iftop
traceroute
w
arpwatch
bmon
rsync
tcpdump -d
telnet
ss

Week 10

sudo useradd
sudo passwd
cat /etc/passwd
sudo usermod
sudo userdel

Week 11

top
df
dmesg
iostat 1
free
cat /proc/cpuinfo
cat /proc/meminfo

Week 12

FTP connection

```
sudo systemctl restart  
vsftpd ifconfig  
ftp <IP Address>
```

Apache2 connection

```
sudo systemctl start  
apache2 sudo systemctl  
enable apache2 sudo  
systemctl status apache2  
sudo ufw status  
sudo ufw enable    if status is  
disabled sudo ufw allow  
'Apache'  
sudo systemctl restart apache2  
ifconfig    Gives the IP address  
http://IPAddress  IPAddress of ifconfig
```

Week 13

```
sudo fdisk -l  
lsblk  
sudo parted /dev/sda  
sudo cfdisk /dev/sda  
pydf  
inxi -Fxz
```