

01

1.1

1.2

UID_MIN	7250
UID_MAX	25005

1.3

GID_MIN	8501
---------	------

1.4 , 1.5

PASS_MAX_DAYS	201
PASS_MIN_DAYS	60

02

2.1

```
(kali@DSE241F003)-[~/Desktop]
$ mkdir Sanduni
```

2.2

```
(kali@DSE241F003)-[~/Desktop/Sanduni]
$ touch name.txt

(kali@DSE241F003)-[~/Desktop/Sanduni]
$ vi name.txt
```

2.3

1	ayuka
2	sandu
3	sandu
4	waradh
5	wathsal
6	aryan
7	adhil
8	kiyan
9	sayon
10	bathiya

2.4

```
(kali@DSE241F003)~/Desktop/Sanduni
$ cat name.txt|head -2
ayuka
sandu
```

2.5

```
(kali@DSE241F003)~/Desktop/Sanduni
$ cat name.txt|tail -2
sayon
bathiya
```

03

3.1

```
(kali@DSE241F003)~/Desktop/Sanduni
$ ls -lt
total 4
-rw-rw-r-- 1 kali kali 65 Feb 26 03:45 name.txt
```

3.2

```
(kali@DSE241F003)~/Desktop/Sanduni
$ ls -ltr
total 4
-rw-rw-r-- 1 kali kali 65 Feb 26 03:45 name.txt
```

3.3

```
(kali@DSE241F003)~/Desktop/Sanduni
$ chmod 655 name.txt

(kali@DSE241F003)~/Desktop/Sanduni
$ ls -lt
total 4
-rw-r-xr-x 1 kali kali 65 Feb 26 03:45 name.txt
```

3.4

```
(kali@DSE241F003)~/Desktop/Sanduni
$ cat name.txt|sort|unique -c
Created directory: /home/kali/.john
Total lines read: 10, unique lines written: 9 (90%), no slow passes
```

04

4.1

4.1

```
(kali@DSE241F003)~[/Desktop/Sanduni]
$ sudo groupadd students
sudo: unable to resolve host DSE241F003: Temporary failure in name resolution
[sudo] password for kali:
```

4.2

```
(kali@DSE241F003)~[/Desktop/Sanduni]
$ sudo groupadd teachers
sudo: unable to resolve host DSE241F003: Temporary failure in name resolution
```

4.3

```
(kali@DSE241F003)~[/Desktop/Sanduni]
$ sudo usermod -a -G students,teachers,ranga
sudo: unable to resolve host DSE241F003: Temporary failure in name resolution
usermod: group 'ranga' does not exist

(kali@DSE241F003)~[/Desktop/Sanduni]
$ groups ranga
groups: 'ranga': no such user
```

4.4

```
(kali@DSE241F003)~[/Desktop/Sanduni]
$ sudo usermod -a -G students,nadeesha
```

4.5

```
(kali@DSE241F003)~[/Desktop/Sanduni]
$ sudo useradd -u 1800 kamala
sudo: unable to resolve host DSE241F003: Temporary failure in name resolution
useradd: UID 1800 is not unique
```

06

6.1

```
(kali@DSE241F003)~[/Desktop/Sanduni]
$ cat /etc/passwd|head -10
root:x:0:0:root:/root:/usr/bin/zsh
daemon:x:1:1:daemon:/usr/sbin:/usr/sbin/nologin
bin:x:2:2:bin:/bin:/usr/sbin/nologin
sys:x:3:3:sys:/dev:/usr/sbin/nologin
sync:x:4:65534:sync:/bin:/bin/sync
games:x:5:60:games:/usr/games:/usr/sbin/nologin
man:x:6:12:man:/var/cache/man:/usr/sbin/nologin
lp:x:7:7:lp:/var/spool/lpd:/usr/sbin/nologin
mail:x:8:8:mail:/var/mail:/usr/sbin/nologin
news:x:9:9:news:/var/spool/news:/usr/sbin/nologin
```

```
(kali@DSE241F003)~[/Desktop/Sanduni]
$ cat /etc/passwd|tail -4
susan_35:x:1004:1007::/home/susan_35:/bin/sh
harry:x:1666:1666::/home/harry:/bin/sh
waradh:x:1667:1667::/home/waradh:/bin/sh
kamal:x:1800:1800::/home/kamal:/bin/sh
```

6.2

```

(kali@DSE241F003)~[~/Desktop/Sanduni]
$ cat /etc/group
root:x:0:
daemon:x:1:
bin:x:2:
sys:x:3:
adm:x:4:kali
tty:x:5:
disk:x:6:
lp:x:7:
mail:x:8:
news:x:9:
uucp:x:10:
man:x:12:
proxy:x:13:
kmem:x:15:
dialout:x:20:kali
fax:x:21:
voice:x:22:
cdrom:x:24:kali
floppy:x:25:kali

```

6.3

```

_gvm:x:136:
kali:x:1000:
kaboxer:x:137:kali
vboxsf:x:138:kali
Pramo:x:1001:
Hiruni:x:1002:
nibm:x:1003:
NIBM_35:x:1004:nimal_35
admin_n:x:1005:nimal_35,s
nimal_35:x:1006:
susan_35:x:1007:
harry:x:1666:
waradh:x:1667:
pops:x:1668:
kamal:x:1800:
vegetables:x:1801:
fruits:x:1802:
students:x:8501:
teachers:x:8502:

```

6.4

```

(kali@DSE241F003)~[~/Desktop/Sanduni]
$ cat /etc/passwd | grep kamala
kamala:x:7250:8503::/home/kamala:/bin/sh

```

6.5

```

(kali@DSE241F003)~[~/Desktop/Sanduni]
$ cat /etc/group | grep teachers
teachers:x:8502:

```

07

7.1, 7.2, 7.3, 7.4

```
#!/bin/bash
echo "enter the marks"
read marks
n=5
passMark=$((40+n))
failMark=$((45+n))
if ["$marks" -ge "$passMarks"];then
if ["$marks" -ge "$failMarks"];then
    echo "well done! you passed the exam"
else
echo "you passed the exam"
fi
else
echo "you failed the exam"
fi
```

05

5.1

```
—(kali@DSE241F003)-[~/Desktop/Sanduni]
—$ sudo groupdel ranga
```