

Q.No:1.

```
cut -c5-8 f1 | head -n 3
```

-100
-120
-110

Q.No:2.

```
cut -d: -f3 /etc/passwd | head -n 3
```

0
1
2

Q.No:3.

```
paste -s f1 | head -n 1
```

-100 3.45 0.23 32.1 1.23 -3.21

Q.No:4.

```
cut -f1 f1 | paste -d: - - - - - - - - - - - - > f3 && cut -f2 f2 |
```

```
root:daemon:bin
sys:kmem:mem
daemon:syslog:adm
```

Q.No:5.

```
tr '[:lower:]' '[:upper:]' < f2 | head -n 3
```

SRMIST, CHENNAI
CEG, Campus
GEMSTECH

Q.No:6.

```
sed 's/\t/:/g' f2 | head -n 3
```

```
SRMIST,CHENNAI:ramanujan@srmist.edu.in:100
CEG,Campus:archimedes@ceg.edu.in:200
GEMSTECH:euclid@gemstech.ac.in:300
```

Q.No:7.

```
User not found
```

Q.No:8.

```
grep "^SRM" f1 | head -n 3
```

SRM	1.23	4.56	7.89	-0.12	0.45
SRM	2.34	5.67	8.90	0.23	-0.45
SRM	3.45	6.78	9.01	1.23	-3.21

Q.No:9.

```
ls /etc/init.d/*grep* | head -n 3
```

Q.No:10.

```
awk -F: '$NF=="usr/sbin/nologin" {print $1}' /etc/passwd | head -n 3
```

```
halt  
operator  
shutdown
```

Q.No:11.

```
zzz:x:1001:1001:,,,:/home/zzz:/bin/bash  
yzz:x:1000:1000:,,,:/home/yzz:/bin/bash  
xyz:x:999:999:,,,:/home/xyz:/bin/bash
```

Q.No:12.

```
bin:x:1:1:bin:/bin:/usr/sbin/nologin  
daemon:x:2:2:daemon:/sbin:/usr/sbin/nologin  
adm:x:3:4:adm:/var/adm:/usr/sbin/nologin
```

Q.No:13.

```
sort -u f2 -o f22
```

```
$ cat f22  
ABC  
DEF  
GHI  
JKL  
MNO
```

Q.No:14.

```
uniq -c f21
```

```
2 SRM
1 University
1 of
1 Computer
1 Science
1 Chennai
```

Q.No:15.

```
comm -12 <(sort f1) <(sort f2)
```

```
Hello World
```