

Name: Simran Dilip Yelave

Batch: S23 Rollno: 128

Lab: OS

Aim: To study of grep command.

Examples screenshots:

1] Display records of students of S23 Batch.

```
lab1003@lab1003-HP-280-G2-MT:~/Desktop$ grep S23 simran.lst
S23 121 Yuvraj Upadhyay 401305 111111111111 xyz@gmail.com
S23 120 Ayush Tiwari 401401 222222222222 abc@yahoo.in
S23 127 Atharva Yadav 400400 212121321651 jhf@gmail.com
S23 135 John Smith 400123 654531289874 gia@gmail.com
```

2] Display records of students of not having S23 batch.

```
lab1003@lab1003-HP-280-G2-MT:~/Desktop$ grep -v S23 simran.lst
S21 78 Aryan Maurya 400058 546854132323 uyg@gmail.com
S21 45 Vamshi Marri 405454 654136354305 uds@gmail.com
S21 88 Sanchit Raul 400050 321065656565 swf@gmail.com
S22 115 Darshan Soni 412121 346584631545 asd@gmail.com
S22 112 Prateek Vishe 402525 654131354651 sda@yahoo.in
S22 110 Om Pawaskar 400050 213321365748 ada@yahoo.in
```

3] Display records of students of roll no greater than 130.

```
lab1003@lab1003-HP-280-G2-MT:~/Desktop$ grep -E '\b13[0-9]\b' simran.lst
S23 135 John Smith 400123 654531289874 gia@gmail.com
```

4] Display records of students of who's gmail address is a ".in" address.

```
lab1003@lab1003-HP-280-G2-MT:~/Desktop$ grep .in simran.lst
S23 120 Ayush Tiwari 401401 222222222222 abc@yahoo.in
S22 112 Prateek Vishe 402525 654131354651 sda@yahoo.in
S22 110 Om Pawaskar 400050 213321365748 ada@yahoo.in
```

Aim: To study of AWT command.

1] Display students first name , surname and address with proper spacing.

```
lab1003@lab1003-HP-280-G2-MT:~/Desktop$ awk '{print $3"\t"$4"\t"$5}' simran.lst
Yuvraj Upadhyay 401305
Ayush Tiwari 401401
Atharva Yadav 400400
John Smith 400123
Aryan Maurya 400058
Vamshi Marri 405454
Sanchit Raul 400050
Darshan Soni 412121
Prateek Vishe 402525
Om Pawaskar 400050
```

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2]Print list of students who is living in mumbai using pincode.

```
lab1003@lab1003-HP-280-G2-MT:~/Desktop$ awk '$5>400000&&$5<401000' simran.lst
S23 127 Atharva Yadav 400400 212121321651 jhf@gmail.com
S23 135 John Smith 400123 654531289874 gia@gmail.com
S21 78 Aryan Maurya 400058 546854132323 uyg@gmail.com
S21 88 Sanchit Raul 400050 321065656565 swf@gmail.com
S22 110 Om Pawaskar 400050 213321365748 ada@yahoo.in
```

3]List of students having gmail

```
lab1003@lab1003-HP-280-G2-MT:~/Desktop$ awk '$7=="gmail"' simran.lst
S23 121 Yuvraj Upadhyay 401305 111111111111 xyz@gmail.com
S23 127 Atharva Yadav 400400 212121321651 jhf@gmail.com
S23 135 John Smith 400123 654531289874 gia@gmail.com
S21 78 Aryan Maurya 400058 546854132323 uyg@gmail.com
S21 45 Vamshi Marri 405454 654136354305 uds@gmail.com
S21 88 Sanchit Raul 400050 321065656565 swf@gmail.com
S22 115 Darshan Soni 412121 346584631545 asd@gmail.com
```

4]Display no. of fields in the first line.

```
lab1003@lab1003-HP-280-G2-MT:~/Desktop$ awk 'NR==1{print NF}' simran.lst
7
```

Aim: To study of sed command.

1]Display First four records

```
lab1003@lab1003-HP-280-G2-MT:~/Desktop$ sed '4q' simran.lst
S23 121 Yuvraj Upadhyay 401305 111111111111 xyz@gmail.com
S23 120 Ayush Tiwari 401401 222222222222 abc@yahoo.in
S23 127 Atharva Yadav 400400 212121321651 jhf@gmail.com
S23 135 John Smith 400123 654531289874 gia@gmail.com
```

2]Display last record

```
lab1003@lab1003-HP-280-G2-MT:~/Desktop$ sed -n '$p' simran.lst
S22 110 Om Pawaskar 400050 213321365748 ada@yahoo.in
```

3]Display record of S21 batch.

```
lab1003@lab1003-HP-280-G2-MT:~/Desktop$ sed -n '/S21/p' simran.lst
S21 78 Aryan Maurya 400058 546854132323 uyg@gmail.com
S21 45 Vamshi Marri 405454 654136354305 uds@gmail.com
S21 88 Sanchit Raul 400050 321065656565 swf@gmail.com
```

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4]Extract record from S23 and transfer to the file name.file.

```
lab1003@lab1003-HP-280-G2-MT:~/Desktop$ sed -n '/S23/p' simran.lst
S23 121 Yuvraj Upadhyay 401305 111111111111 xyz@gmail.com
S23 120 Ayush Tiwari 401401 222222222222 abc@yahoo.in
S23 127 Atharva Yadav 400400 212121321651 jhf@gmail.com
S23 135 John Smith 400123 654531289874 gia@gmail.com
lab1003@lab1003-HP-280-G2-MT:~/Desktop$ sed -n '/S23/w simran1.lst' simran.lst
lab1003@lab1003-HP-280-G2-MT:~/Desktop$ cat simran1.lst
S23 121 Yuvraj Upadhyay 401305 111111111111 xyz@gmail.com
S23 120 Ayush Tiwari 401401 222222222222 abc@yahoo.in
S23 127 Atharva Yadav 400400 212121321651 jhf@gmail.com
S23 135 John Smith 400123 654531289874 gia@gmail.com
```