THADOMAL SHAHANI
TSEC
ENGINEERING COLLEGE

ATHARVA YADAV
ROLL NO : 127
BATCH : S23

UNIX LAB ASSIGNMENT NO.6
AWK, SED, GREP Commands

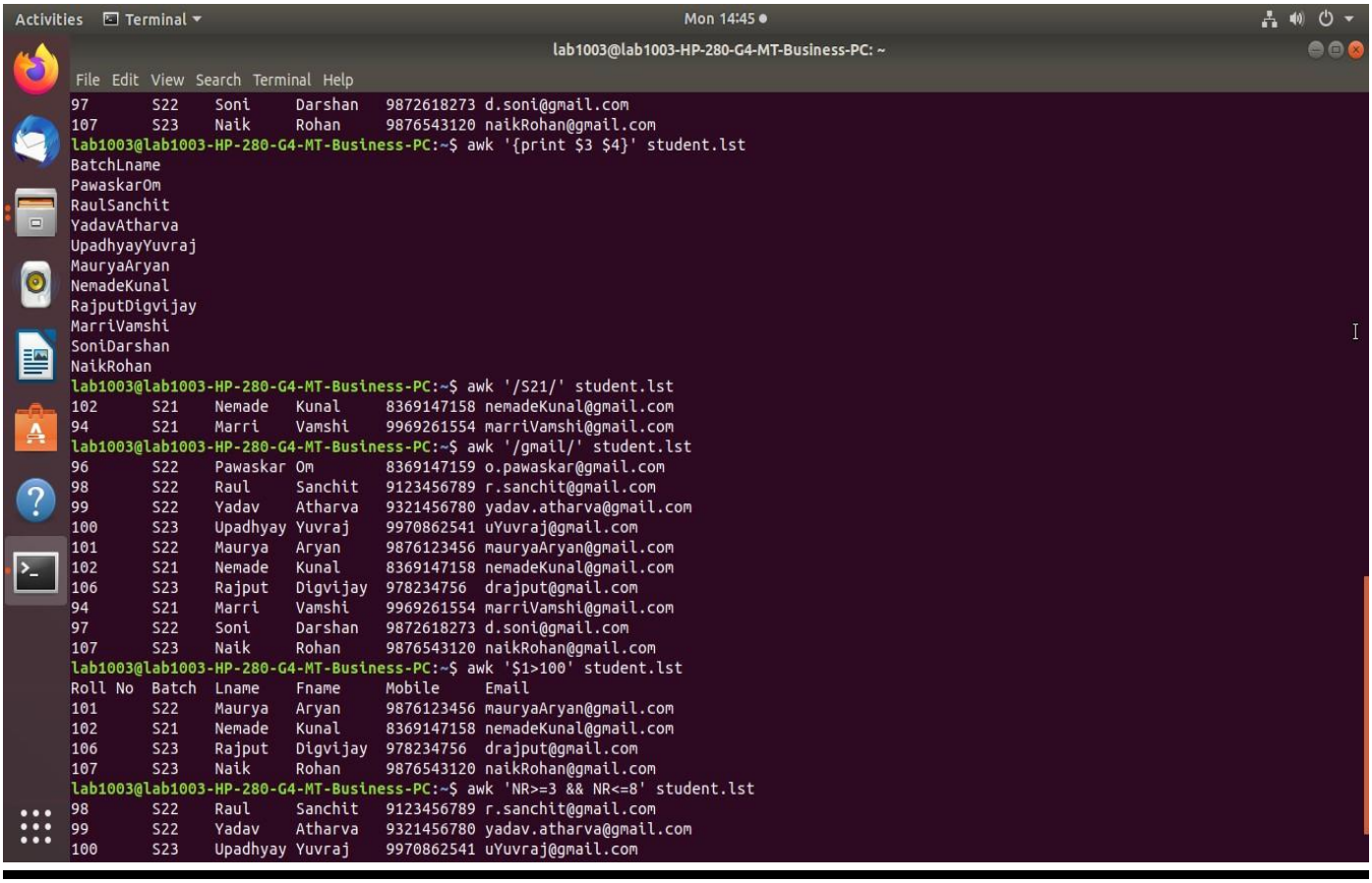
AWK COMMANDS :

AWK is a powerful programming language and command-line utility for pattern scanning and text processing.

Used for processing and analyzing text data, particularly when data is organized in columns.

It operates on a line-by-line basis, applying actions to lines that match specified patterns.

Often used for data extraction, reporting, and formatting.



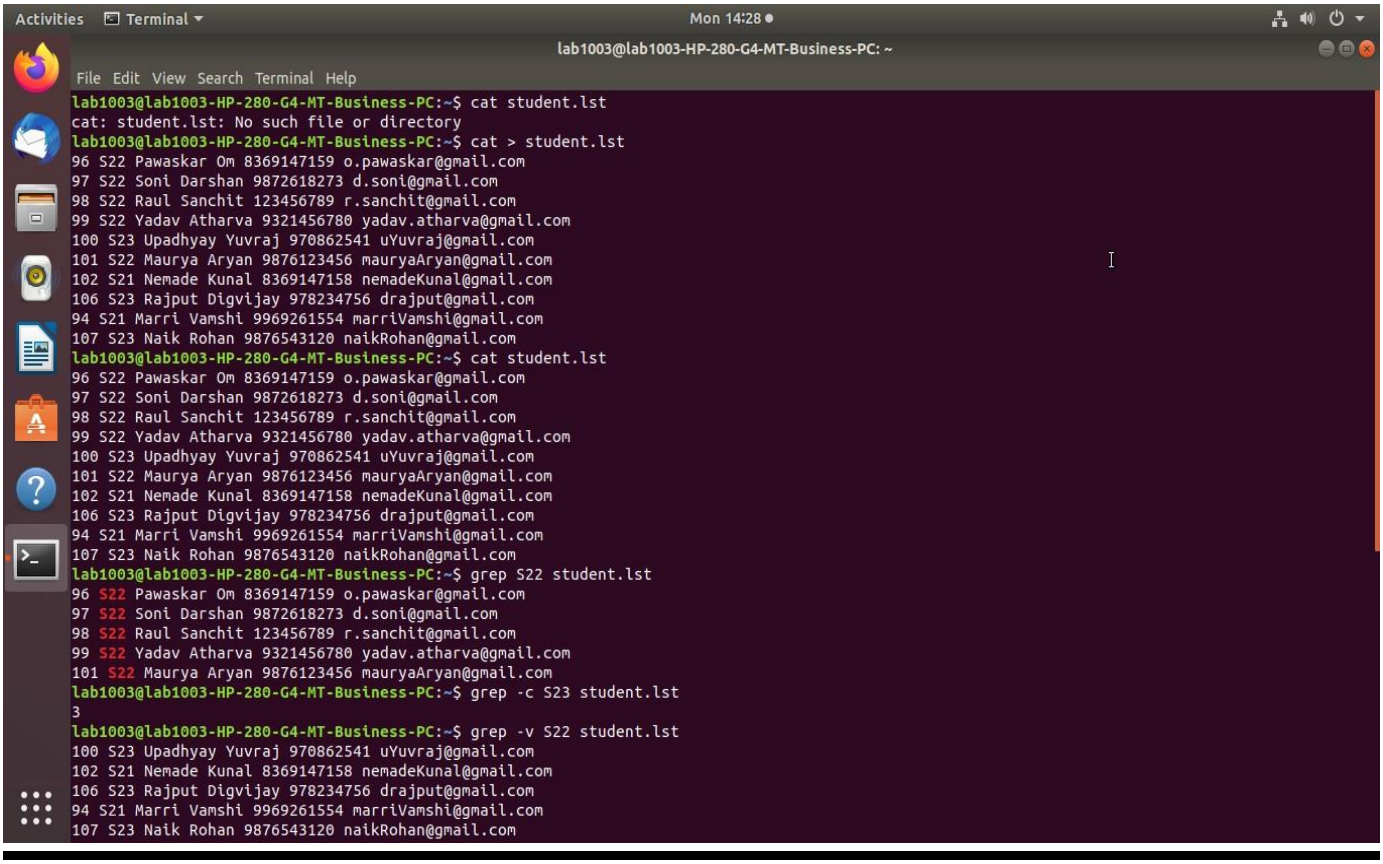
GREP COMMANDS :

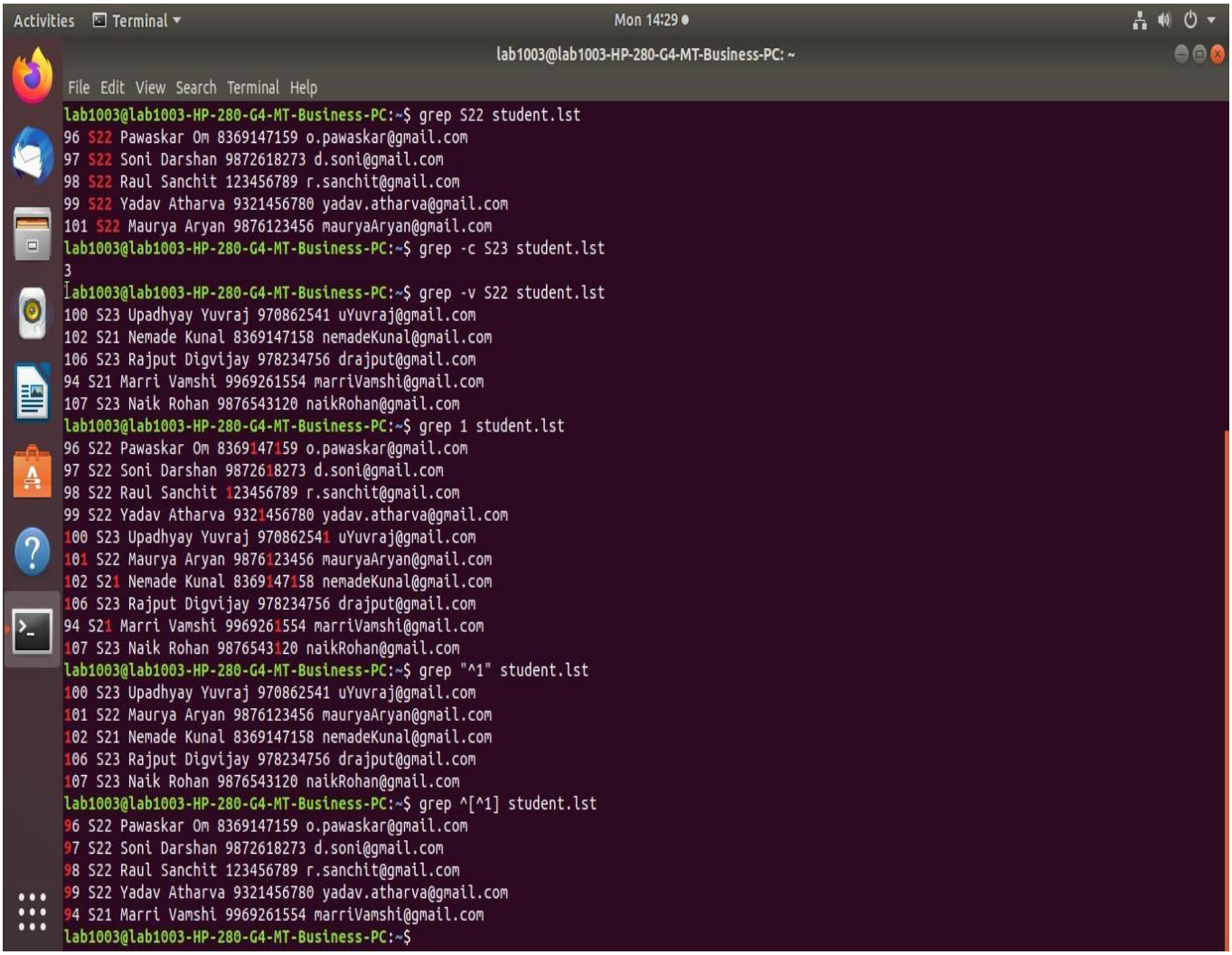
Purpose: grep is a command-line utility for searching plain-text data sets for lines that match a regular expression.

Used for searching and filtering text based on patterns.

Displays lines from a file or output that match the specified pattern.

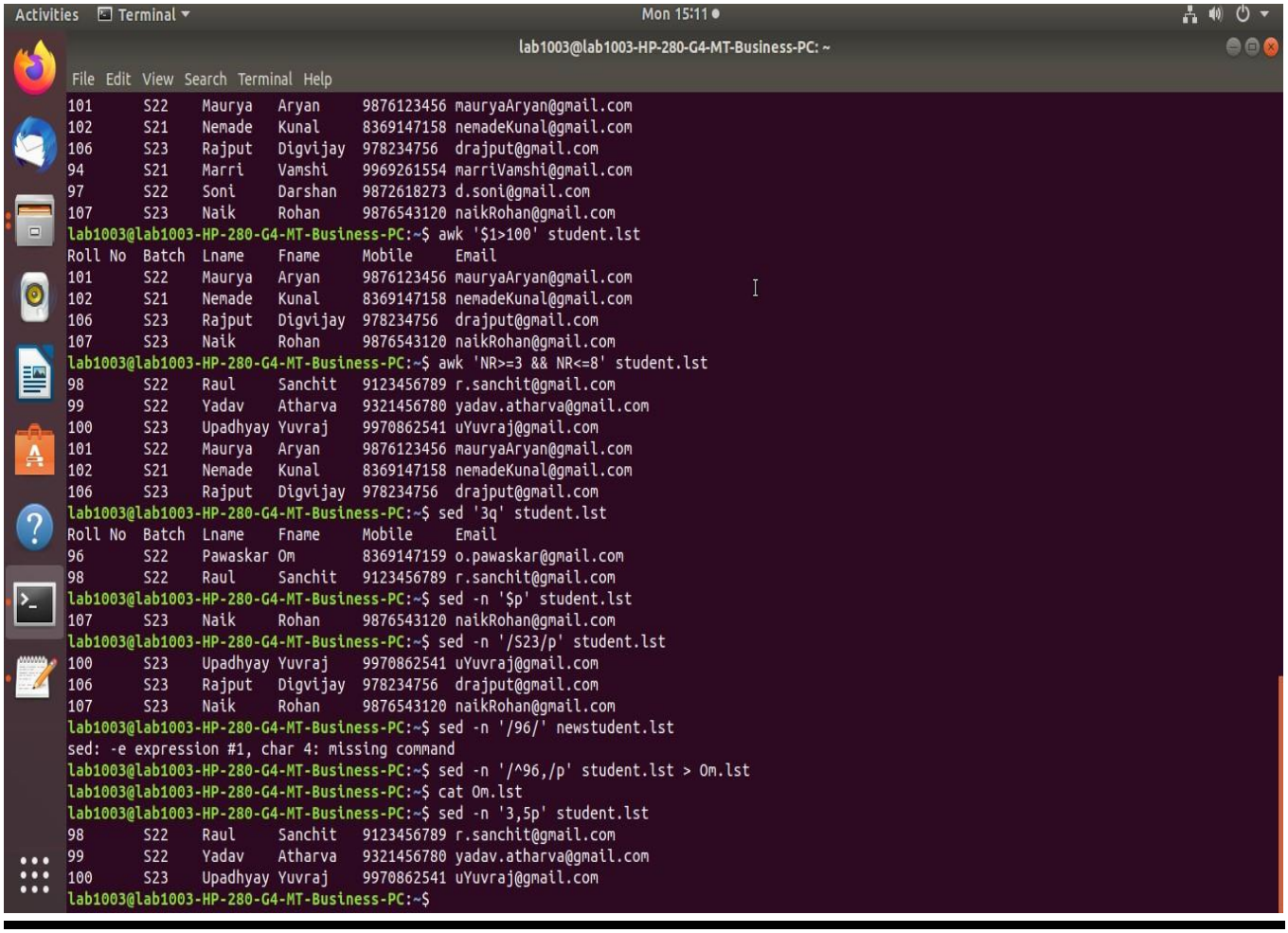
It can be combined with other commands using pipes (|) to perform more complex text processing.




Activities
Terminal
Mon 14:29
lab1003@lab1003-HP-280-G4-MT-Business-PC: ~
File Edit View Search Terminal Help
lab1003@lab1003-HP-280-G4-MT-Business-PC:~$ grep S22 student.lst
96 S22 Pawaskar Om 8369147159 o.pawaskar@gmail.com
97 S22 Soni Darshan 9872618273 d.soni@gmail.com
98 S22 Raul Sanchit 123456789 r.sanchit@gmail.com
99 S22 Yadav Atharva 9321456780 yadav.atharva@gmail.com
101 S22 Maurya Aryan 9876123456 mauryaAryan@gmail.com
lab1003@lab1003-HP-280-G4-MT-Business-PC:~$ grep -c S23 student.lst
3
lab1003@lab1003-HP-280-G4-MT-Business-PC:~$ grep -v S22 student.lst
100 S23 Upadhyay Yuvraj 970862541 uYuvraj@gmail.com
102 S21 Nemade Kunal 8369147158 nemadeKunal@gmail.com
106 S23 Rajput Digvijay 978234756 drajput@gmail.com
94 S21 Marri Vamshi 9969261554 marriVamshi@gmail.com
107 S23 Naik Rohan 9876543120 naikRohan@gmail.com
lab1003@lab1003-HP-280-G4-MT-Business-PC:~$ grep 1 student.lst
96 S22 Pawaskar Om 836914715 9 o.pawaskar@gmail.com
97 S22 Soni Darshan 987261 8273 d.soni@gmail.com
98 S22 Raul Sanchit 1 23456789 r.sanchit@gmail.com
99 S22 Yadav Atharva 932 1456780 yadav.atharva@gmail.com
100 S23 Upadhyay Yuvraj 97086254 1 uYuvraj@gmail.com
101 S22 Maurya Aryan 987 6123456 mauryaAryan@gmail.com
102 S21 Nemade Kunal 836914715 8 nemadeKunal@gmail.com
106 S23 Rajput Digvijay 978234756 drajput@gmail.com
94 S21 Marri Vamshi 996926 1554 marriVamshi@gmail.com
107 S23 Naik Rohan 9876543 120 naikRohan@gmail.com
lab1003@lab1003-HP-280-G4-MT-Business-PC:~$ grep "^1" student.lst
100 S23 Upadhyay Yuvraj 970862541 uYuvraj@gmail.com
101 S22 Maurya Aryan 9876123456 mauryaAryan@gmail.com
102 S21 Nemade Kunal 8369147158 nemadeKunal@gmail.com
106 S23 Rajput Digvijay 978234756 drajput@gmail.com
107 S23 Naik Rohan 9876543120 naikRohan@gmail.com
lab1003@lab1003-HP-280-G4-MT-Business-PC:~$ grep ^[^1] student.lst
96 S22 Pawaskar Om 8369147159 o.pawaskar@gmail.com
97 S22 Soni Darshan 9872618273 d.soni@gmail.com
98 S22 Raul Sanchit 123456789 r.sanchit@gmail.com
99 S22 Yadav Atharva 9321456780 yadav.atharva@gmail.com
94 S21 Marri Vamshi 9969261554 marriVamshi@gmail.com
lab1003@lab1003-HP-280-G4-MT-Business-PC:~$

SED COMMANDS :

Purpose: sed (stream editor) is a text stream processing command that performs basic text transformations on an input stream.

Primarily used for search and replace operations in a text file or stream.

Can be used for more complex text manipulations, such as inserting or deleting lines, based on specified patterns.
Works well in pipelines with other commands.