

Linux Task -3

1.How can grep and awk be used together to extract lines containing a specific keyword from a log file and display only the second and fourth fields of those lines? (Create a file)

Cat>logfile

2024-11-24 INFO Starting application process

2024-11-24 WARN Low disk space

2024-11-24 ERROR Failed to connect to database

2024-11-24 INFO Application process completed

```
grep "INFO" logfile | awk '{print $2, $4}'
```

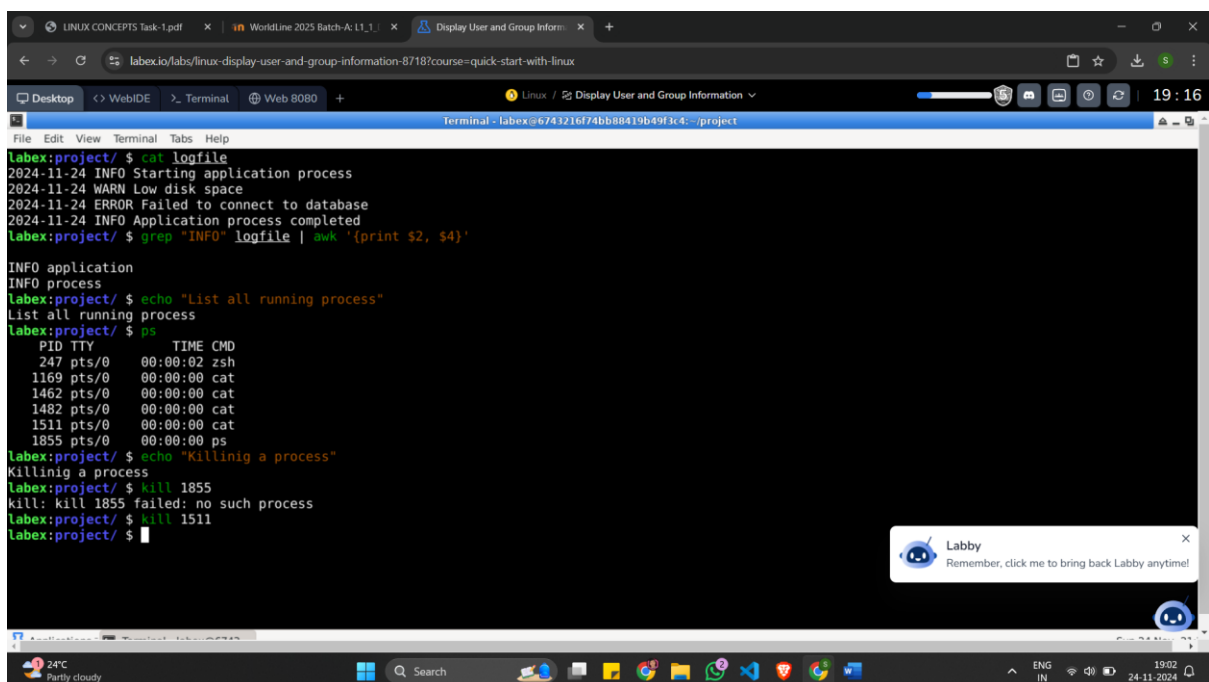
2. How can you list all running processes and terminate a process using its PID in Linux?

To display all running process

ps

kill any particular process

kill PID



```
labex:project/ $ cat logfile
2024-11-24 INFO Starting application process
2024-11-24 WARN Low disk space
2024-11-24 ERROR Failed to connect to database
2024-11-24 INFO Application process completed
labex:project/ $ grep "INFO" logfile | awk '{print $2, $4}'
INFO application
INFO process
labex:project/ $ echo "List all running process"
List all running process
labex:project/ $ ps
  PID TTY          TIME CMD
  247 pts/0    00:00:02 zsh
  1169 pts/0    00:00:00 cat
  1462 pts/0    00:00:00 cat
  1482 pts/0    00:00:00 cat
  1511 pts/0    00:00:00 cat
  1855 pts/0    00:00:00 ps
labex:project/ $ echo "Killinig a process"
Killinig a process
labex:project/ $ kill 1855
kill: kill 1855 failed: no such process
labex:project/ $ kill 1511
labex:project/ $
```