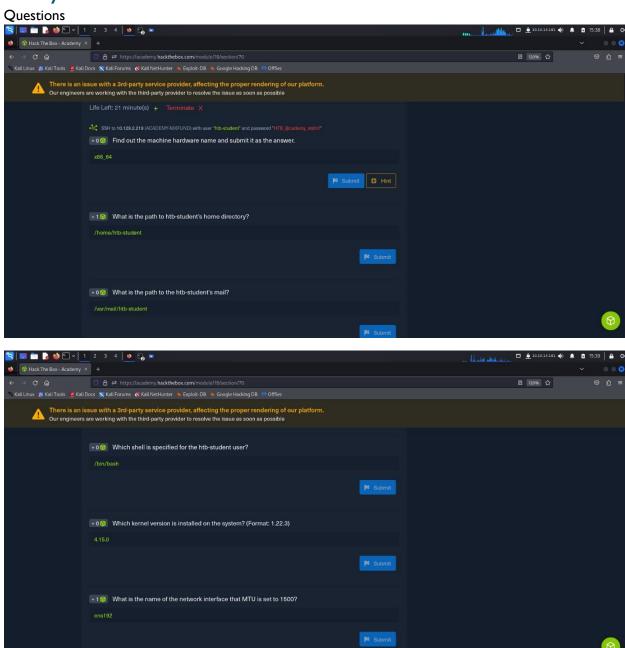
## LINUX FUNDAMENTALS TASKS

# 1.1 System information



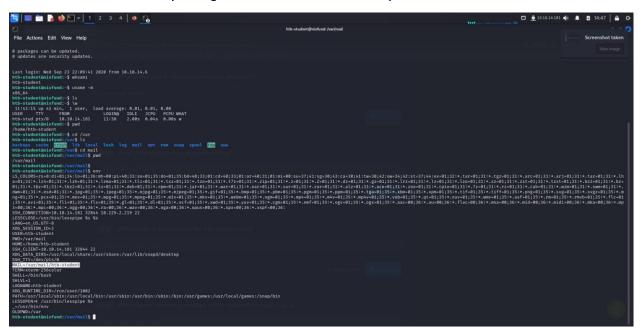
I started off by connecting remotely to the target using SSH and target IP, Username and password



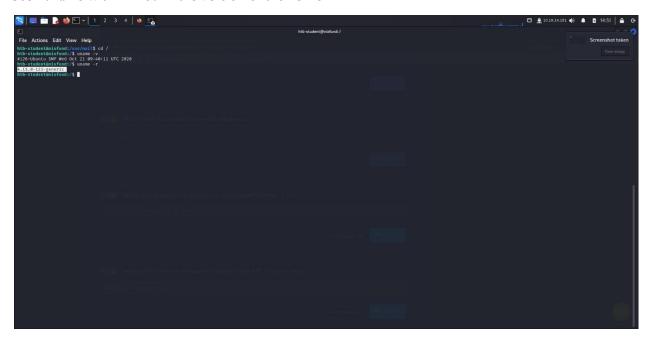
Used the command pwd, it printed the working directory



Used the command env for printing the environment, found the path to mail



Used uname with -r I found the version of the kernel

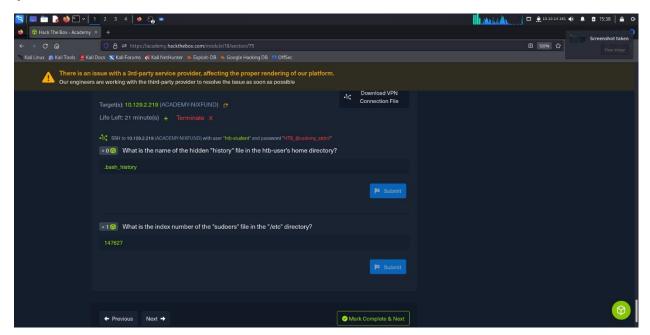


used the ifconfig command, viewed the network interfaces, and found the one with MTU is set to 1500

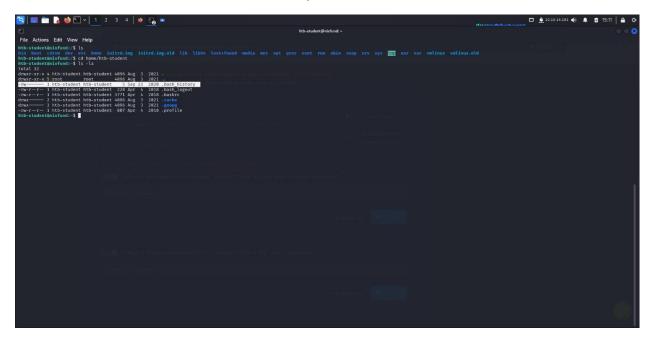


# 1.2 Navigation

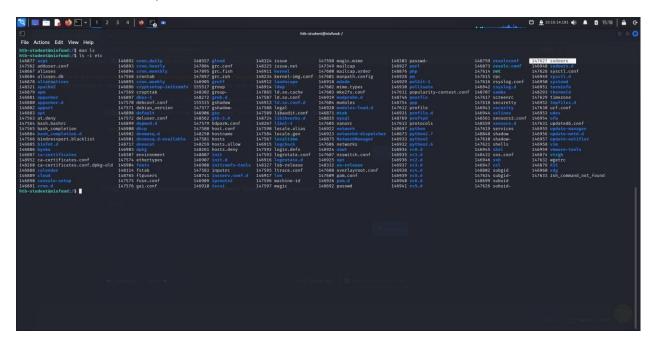
#### Questions



Used the Is command with -Is to view hidden files, found the hidden file

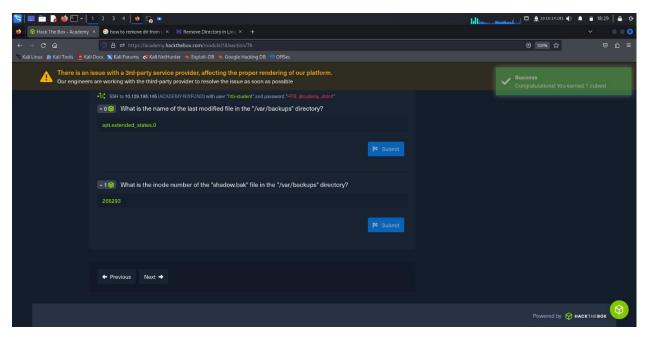


Used Is command an -i, list the files with their index numbers.



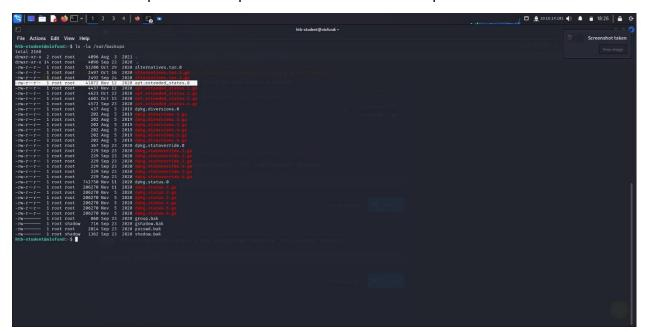
# 1.3 Working with directory

### Question

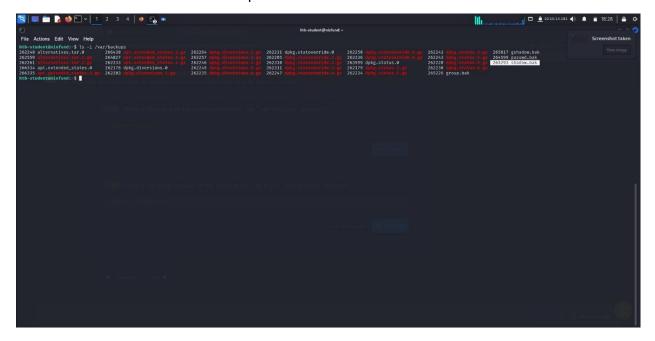


### Solution

Used Is and -la and the path /var/backups I found the file name and compared the dates

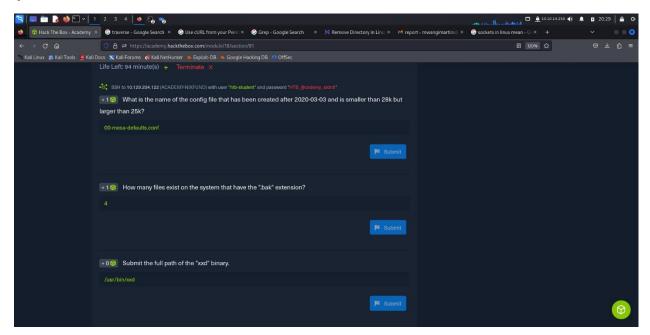


Used Is with -i it listed the files in backup with their index number.

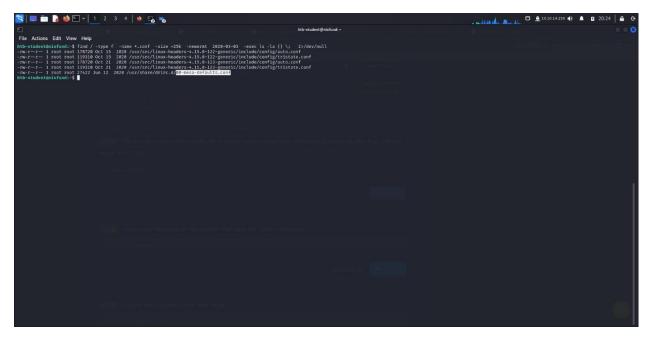


# 1.4 Find Files and Directories

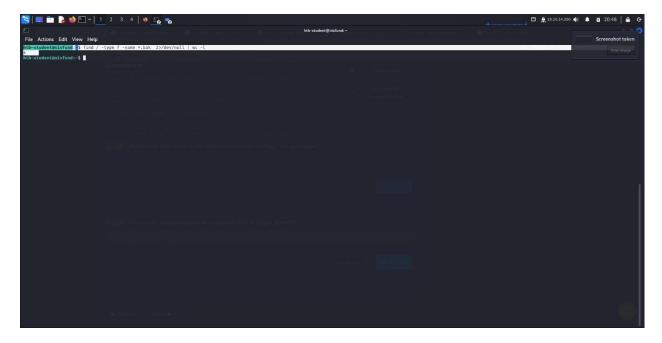
## Questions



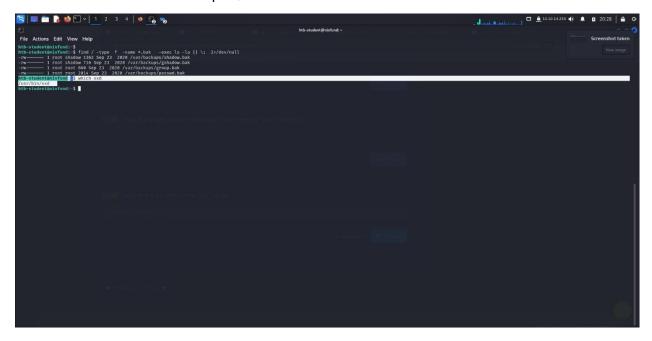
Used find command found the file that was new and more that 25k but less than 28k



Used find and combining it with word count command (wc) found the number of files with .bak extension.

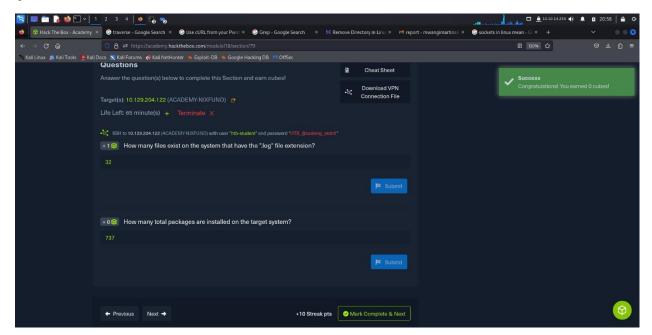


Used which command found the path, to the file

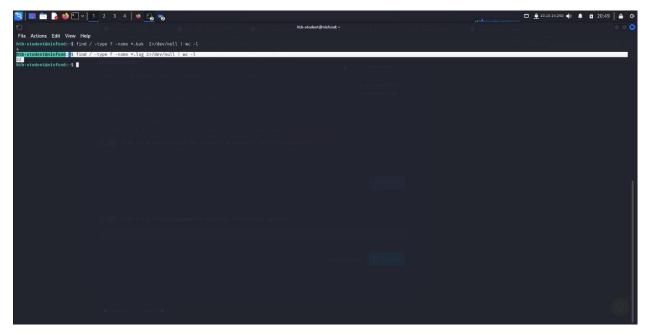


# 1.5 File Descriptors and Redirections

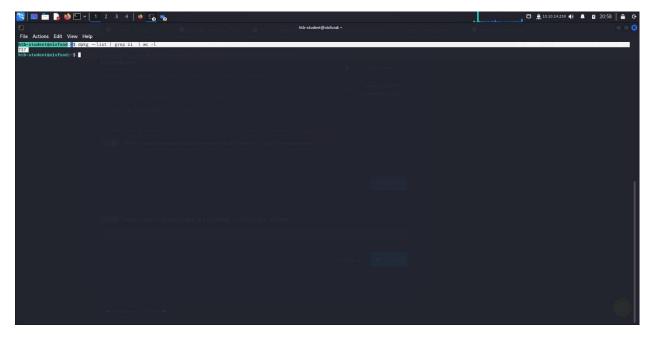
### Questions



Used the find command and wc found number of files

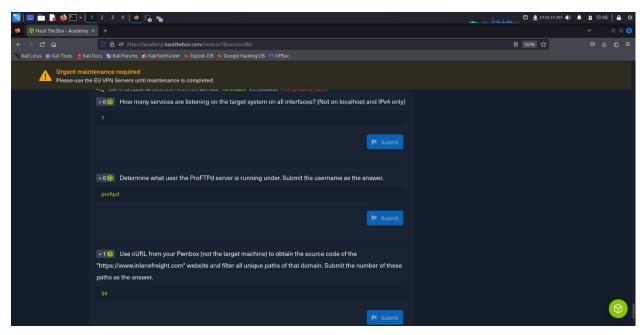


Used the command dpkg to check the number of installed packages in the system and combined with grep



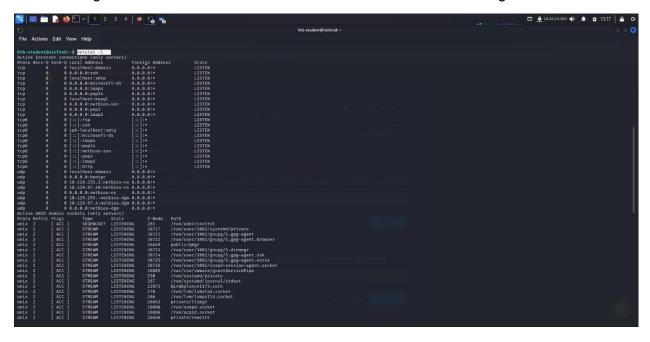
# **I.6** Filter Contents

## Questions



#### **Solution**

Used netstat got the results of the network status, and found the services listening,



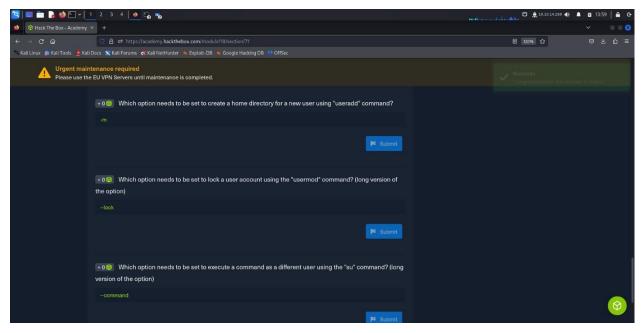
Used the command ps to list running process and found user of proFTPd server

```
Min-streeting (Final Control C
```

used curl, grep, sort, tr to specify the results I want then counted unique paths found 34

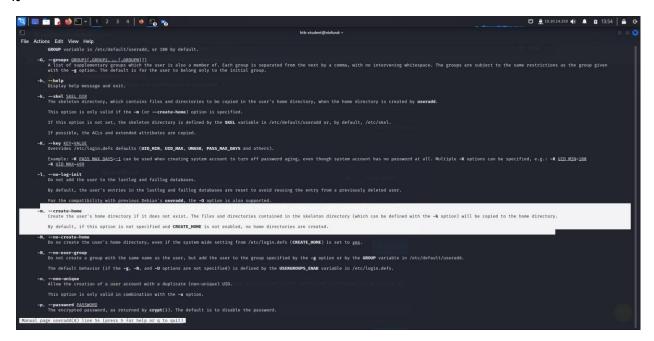
# 1.7 User Management

#### Questions

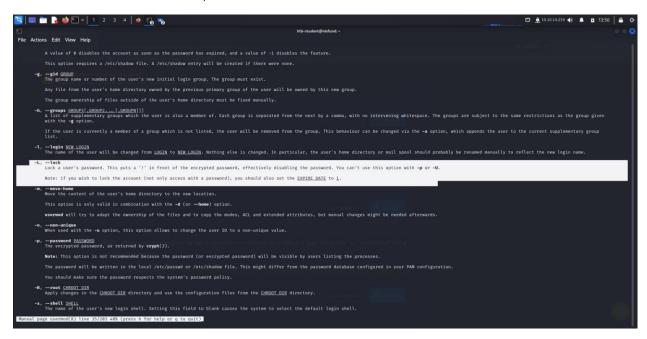


#### Solution

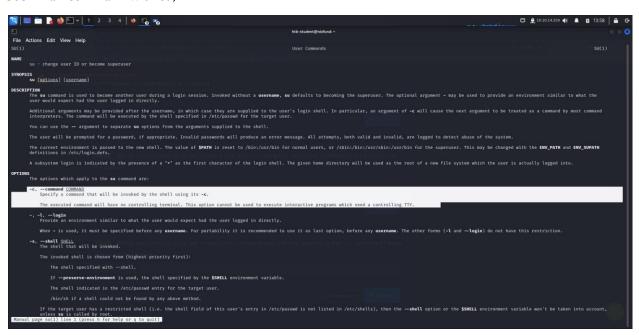
Used command man on command useradd found the command description and flags used with it



#### Used man command on usermod, this was the results

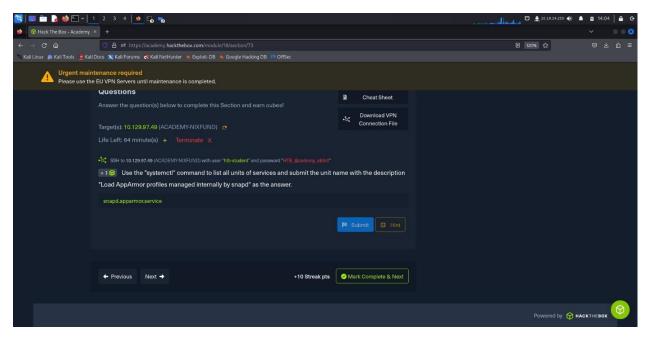


#### Used man command with su,



# 1.8 Service and Process Management

### Question



#### Solution

Used systemctl with grep to find name of the service

