**Lab 1 linux\_services.md**

1. Sudo installed all the required

2. Started services

3.A screenshot of a computer

AI-generated content may be incorrect.  
-Edit page to display “Bridging Module Page”

**Nmap**  
A screen shot of a computer

AI-generated content may be incorrect.nmap 192.168.188.139 -nmap shows my Apache server port 80 open

**A screenshot of a computer screen

AI-generated content may be incorrect.**after removing the nmap scan shows no service up

**UFW**

sudo apt install ufw -y -had to install ufw on my kali linux

**A screen shot of a computer

AI-generated content may be incorrect.**When ufw is enabled the nmap scan shows no open ports

**A screenshot of a computer

AI-generated content may be incorrect.**Ufw is active

**A screenshot of a computer

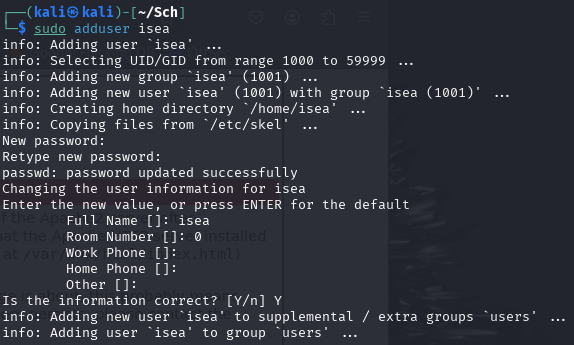
AI-generated content may be incorrect.**Now we allow port 80 tcp

A screen shot of a computer

AI-generated content may be incorrect.  
Now its back, we see port 80 open

**SSH**

****will not be able to access as there is no ssh service on the port 22

**Create a new user  
**Created new user isea

****What changed is new account found

**SSH revisited**

****  
same issue, no port 22 open so wont be able to connect

**Dealing with compressed archives**

A screenshot of a computer

AI-generated content may be incorrect.  
Pretty good compression ratio, saves a lot of space and easier from transfer

**Extension Tasks**

**Challenge 1**A screenshot of a computer

AI-generated content may be incorrect.ssh in using isea

A screenshot of a computer code

AI-generated content may be incorrect.  
Can create file

**Challenge 2**

**A screen shot of a computer

AI-generated content may be incorrect.**  
Standard ssh wouldn’t be interactive so a gedit would probably not work

**Challenge 3  
A computer screen with white text

AI-generated content may be incorrect.**Can copy files, just that I copied kali files that’s why no permision

**Challenge 4**

A screen shot of a computer

AI-generated content may be incorrect.  
SCP file transfer

A close up of a screen

AI-generated content may be incorrect.  
before

A screenshot of a computer

AI-generated content may be incorrect.  
after

**Lab 2 linux\_permissions.md**

sudo adduser alice  
sudo adduser bob  
sudo adduser Mallory

sudo groupadd sharedgroup

sudo usermod -aG sharedgroup alice  
sudo usermod -aG sharedgroup bob

sudo mkdir /home/shared  
sudo chown root:sharedgroup /home/shared  
sudo chmod 750 /home/shared

sudo touch /home/shared/file{1..10}.txt  
sudo chgrp sharedgroup /home/shared/file\*.txt  
sudo chmod 750 /home/shared/file\*.txt

sudo usermod -aG sudo Mallory

A black background with white text

AI-generated content may be incorrect.  
Mallory was added to the sudo group using sudo usermod -aG sudo mallory. This allowed her to execute commands as root using sudo. Although Mallory still lacked direct access to /home/shared, she could now use sudo to bypass these restrictions and read, write, or modify any files. This demonstrates that being in the sudoers group overrides standard file permission limitations.

**Lab 3 searching\_file\_systems.md**

**A screenshot of a computer

AI-generated content may be incorrect.**Cant find the Zip so I made my own with text files inside

A computer screen shot of a computer code

AI-generated content may be incorrect.

1. How many times does the string "verdigris" appear, enter a number only**A black background with white text

   AI-generated content may be incorrect.**  
   For mine the string "verdigris" appeared 0 times
2. What is the surname of the author of the filename “1107.txt”, the answer is case sensitive

**A screenshot of a computer

AI-generated content may be incorrect.**William Shakespeare  
less gutenberg/pg1107.txt -command ran

1. What is the surname of the book author, of the file that is exactly 255258 bytes. The answer is case sensitive

A screenshot of a computer

AI-generated content may be incorrect.  
None of my books were 255258 bytes

1. What is the filename of the file with the 3rd oldest creation dateA screen shot of a computer

   AI-generated content may be incorrect.  
   Show the 3 oldest and take the 3rd so pg84.txt
2. Find the word that follows the follows the text “Next day there was a surprise for Jack”: (Case sensitive-no spaces)  
   A black background with yellow text

   AI-generated content may be incorrect.  
   Man I couldn’t find in my top 10 books

Tip: I couldn’t find the proper gutenberg.tar.bz2 so my answers will be wrong, but I hope you can see I am familiar with linux