India Henry
CYSE 301 - 32781
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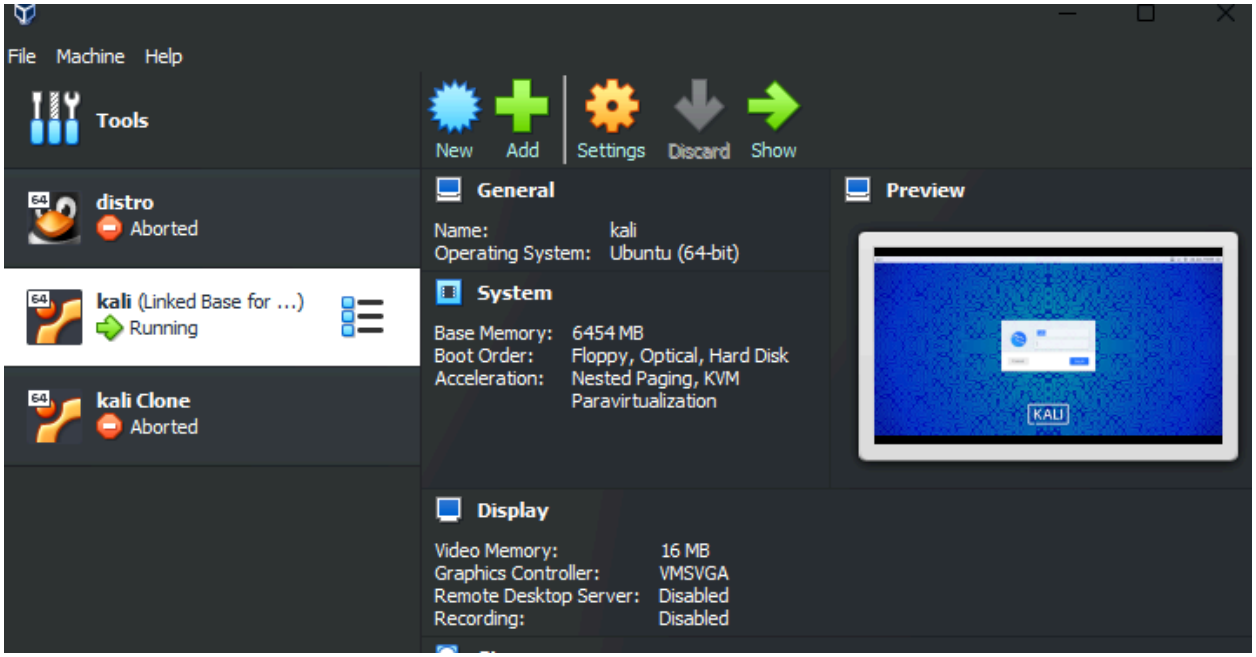
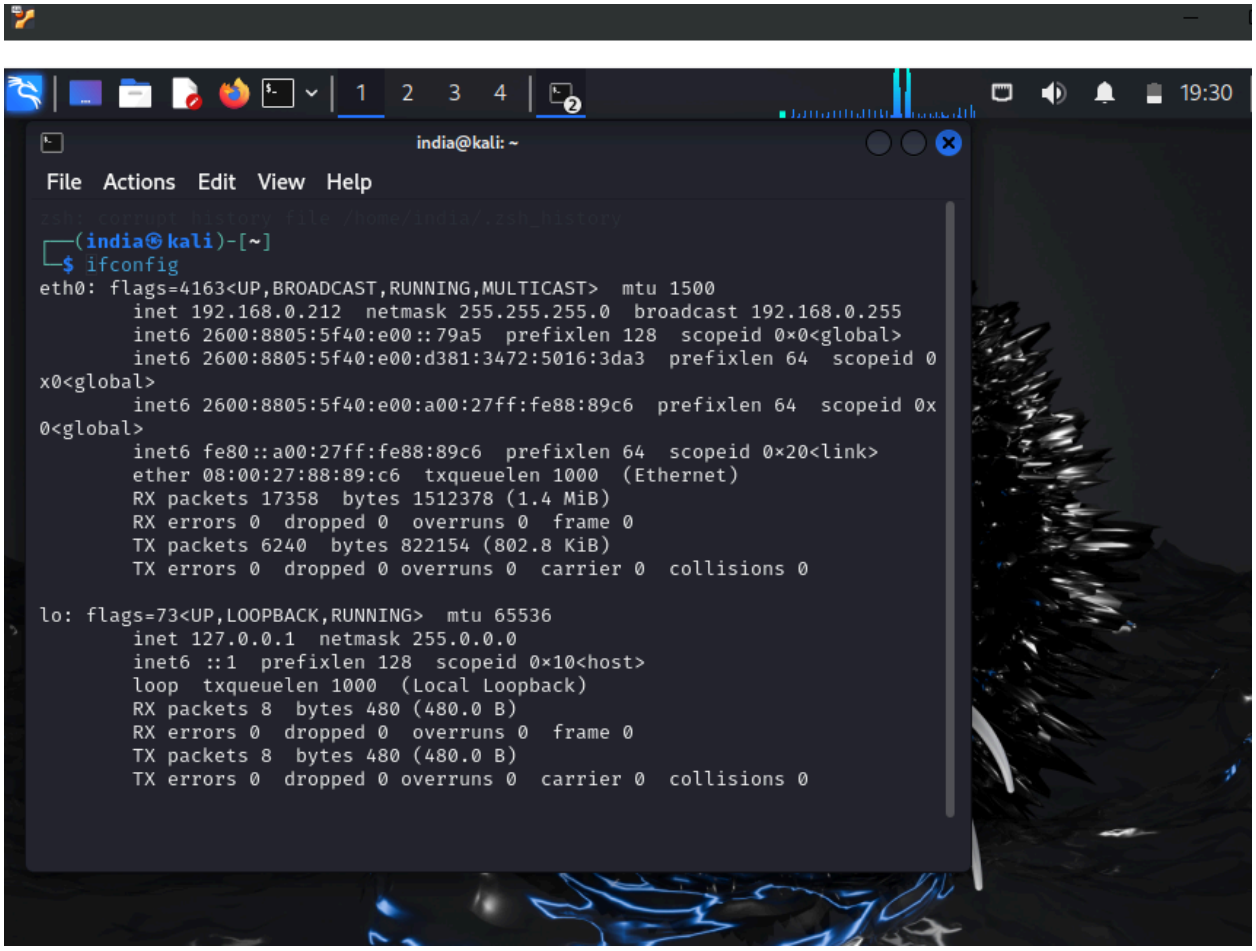
24 January 2025

CYSE: Cybersecurity Technique and Operations
Assignment: Lab 1 - Basic Linux Commands

VM info

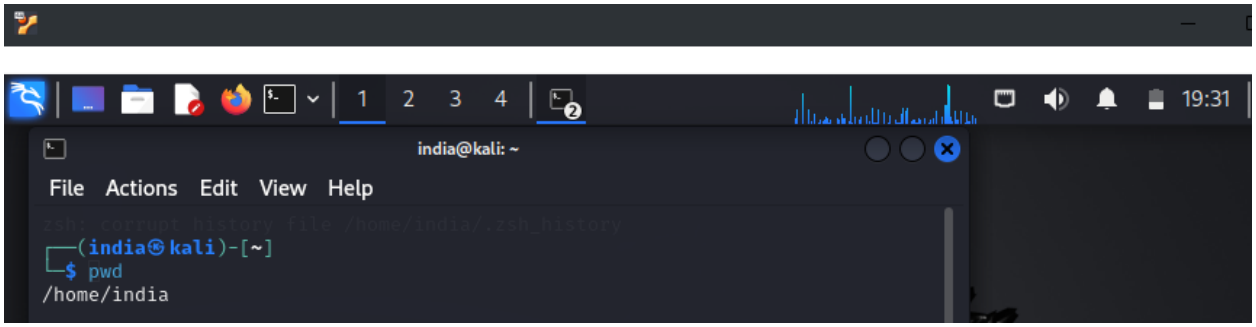


1. How do you find the IP address of your Linux machine using the command line?



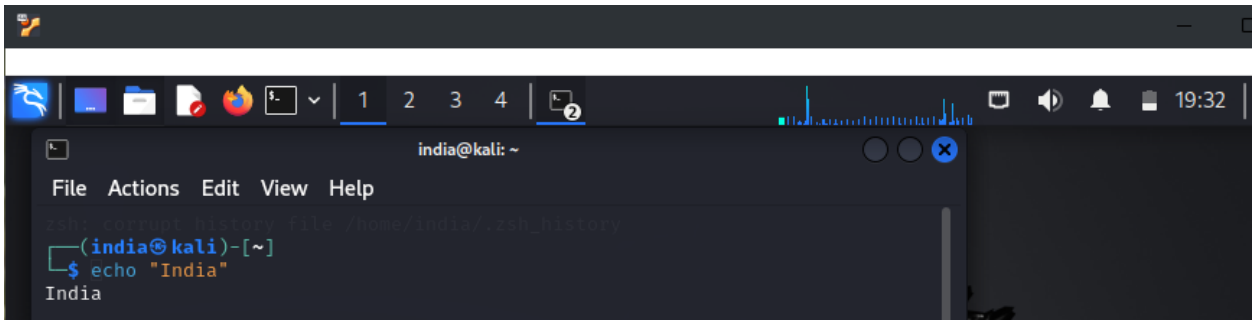
I used the command “ifconfig” to determine the ip address, it returned 192.168.0.212

2. Display your current directory in a terminal.



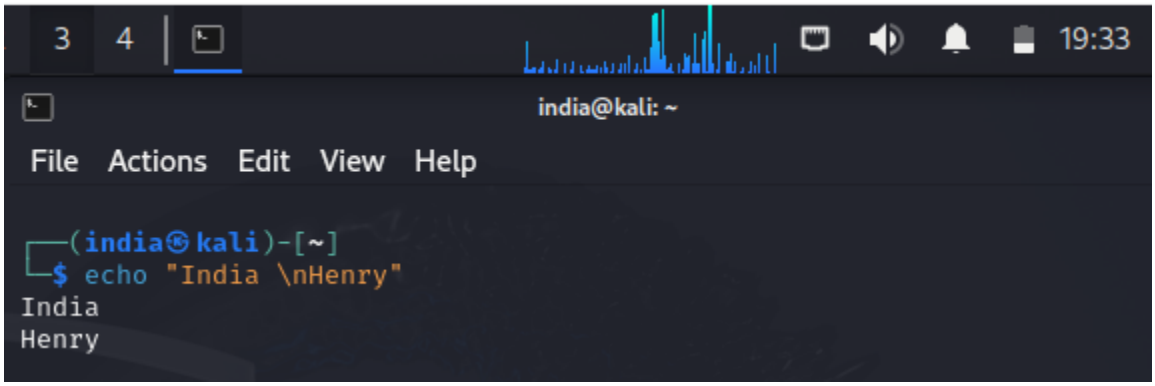
I used the command “pwd” to return the home directory: /home/india (my personal VM)

3. Use the echo command to print your name to the console.



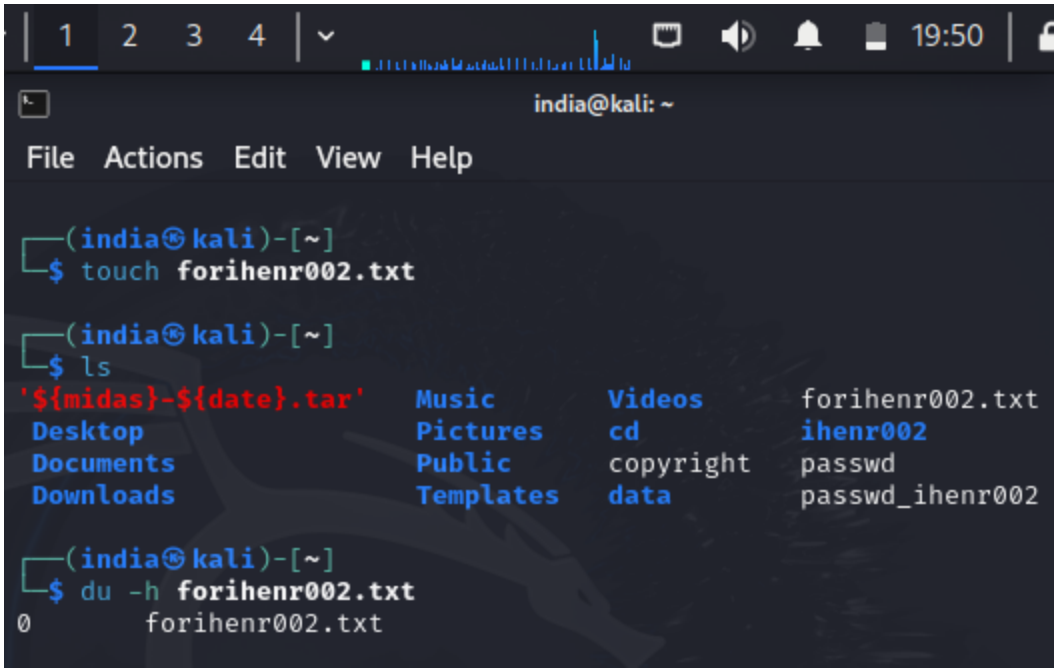
I used the echo command to return my name

4. Display your **first and last names in two separate lines** using a single echo command (tip: how to enable the interpretation of escape characters)



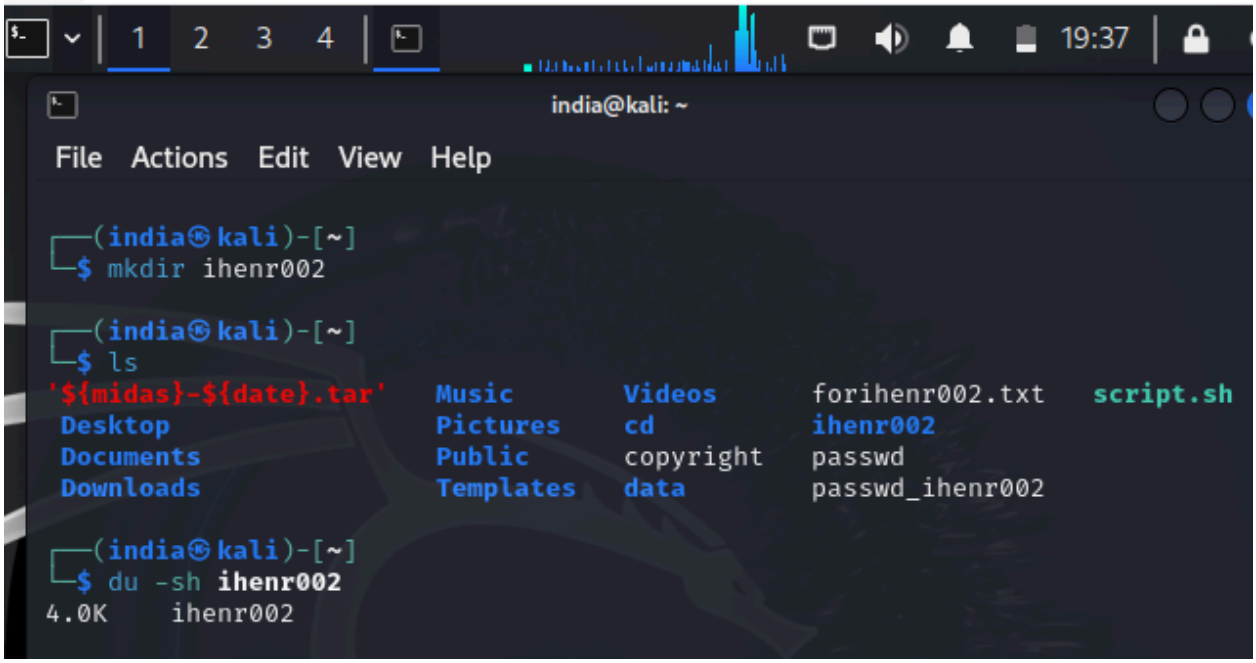
I used the echo command in one line to return my full name, \n separates my first and last name on two separate lines.

5. Create a new file named “for**XXXX**.txt” in your **home directory** (replace “” with your own MIDAS). Then, use the long listing format to display the contents in your home directory. What is the size of the file you just created?



I used the “touch” command to create a file named forihenr002.txt
To verify the file is in my home directory I used the “ls” command
Using the “du -h” command on the forihenr002.txt file to verify the size of the file “0”

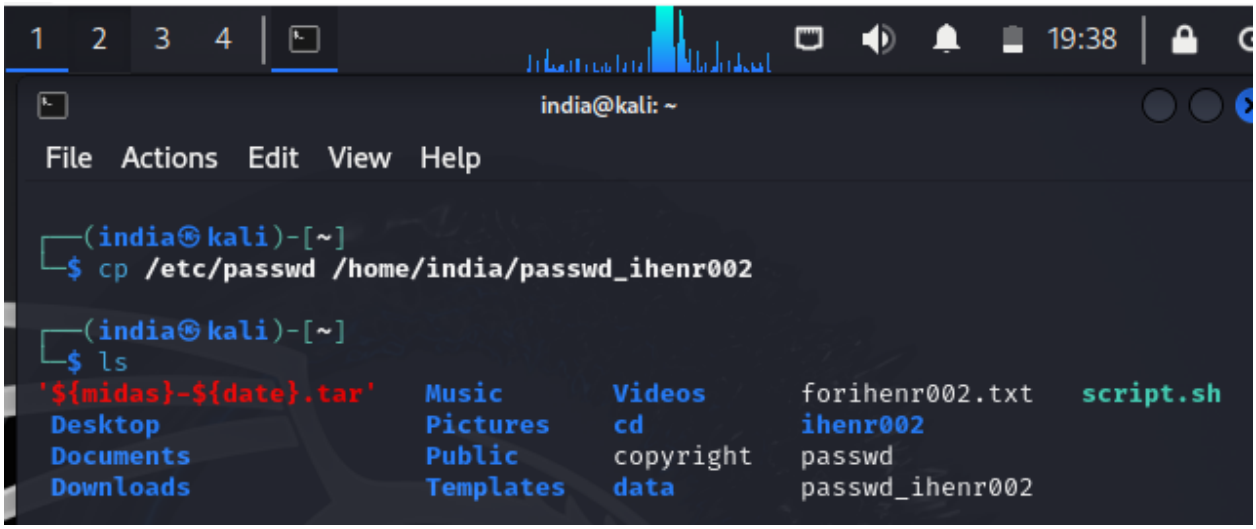
6. Create a new directory named “**XXXX”** in your **home directory** (replace “**XXXX**” with your own MIDAS). Then, use the **long listing format** to display the content in your home directory. What is the size of the file you just created?



I used the “mkdir” command to make a directory titled “ihenr002”

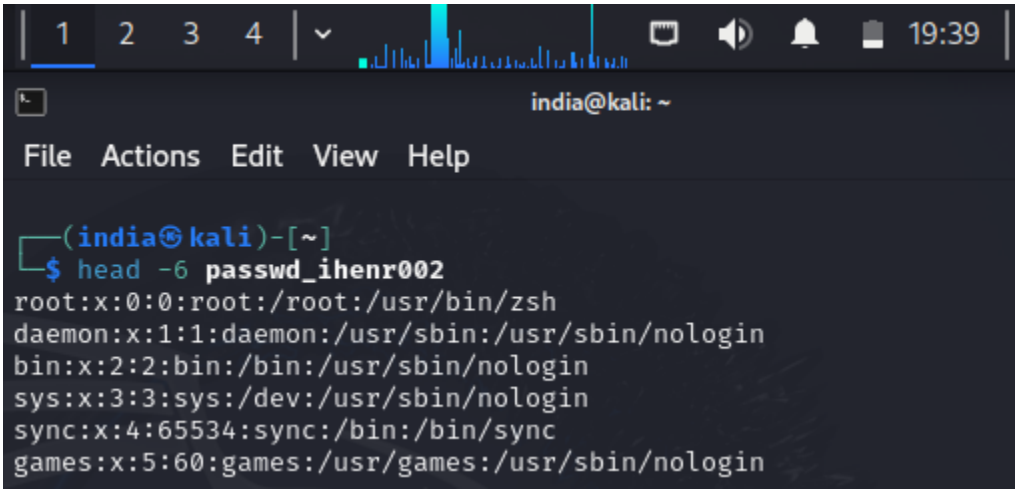
I used the “ls” command to verify the directory is within my home directory
I used the “du -sh” command display the size of the directory

7. Copy **/etc/passwd** file to your home directory. The copy should be named as “passwd_**XXXX**” (replace “**XXXX**” with your own MIDAS) in your home directory. Then, complete the following two subtasks:



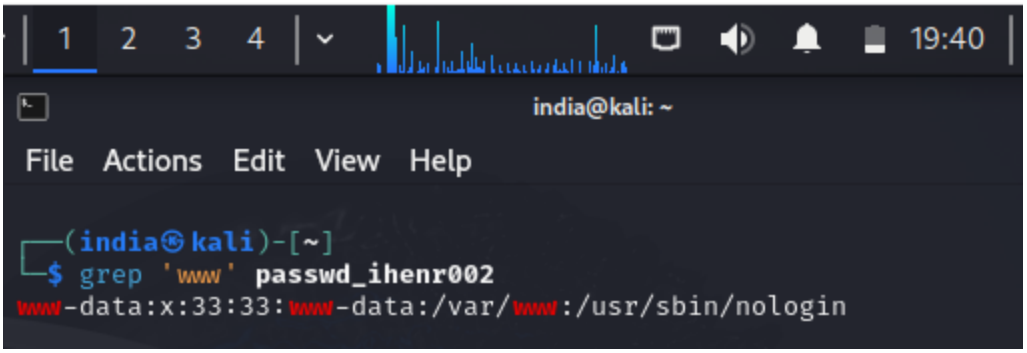
I used the “cp” command to copy the /etc/passwd file to my home directory and rename it to passwd_ihenr002
To verify that change was made I used the “ls” command

   a. Use the proper command to display the first **six** lines in this file.



   I used the “head” command to display the first 10 lines, but shortened it using “-6” to display only the first 6 lines of the file

   b. Search keyword “www” in this file.



I used the “grep” command to loop up any usage of “www” within the passwd_ihenr002 file