OLD DOMINION UNIVERSITY

CYSE 301 CYBERSECURITY TECHNIQUES AND OPERATIONS

Assignment #1 Traffic Tracing and Analysis

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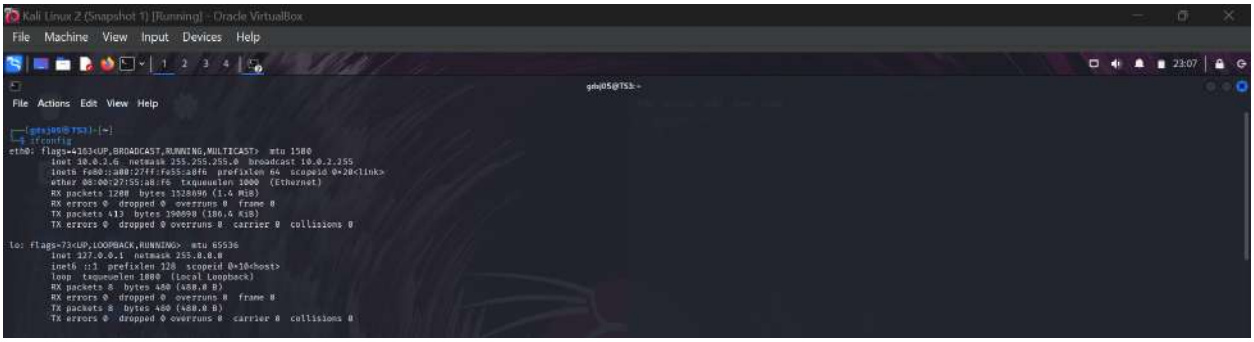
TASK A

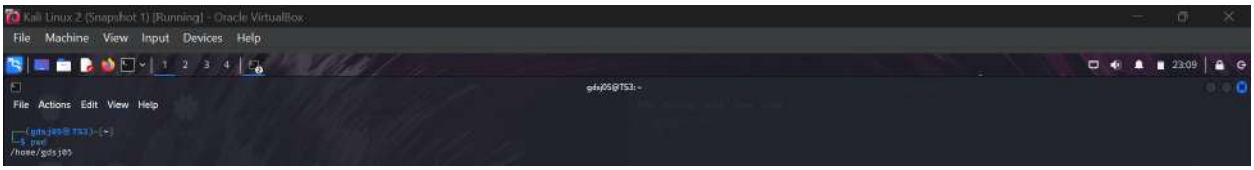
1. How to find the IP address on Kali Linux

   - Ipconfig is a command that shows ipv4 and ipv6



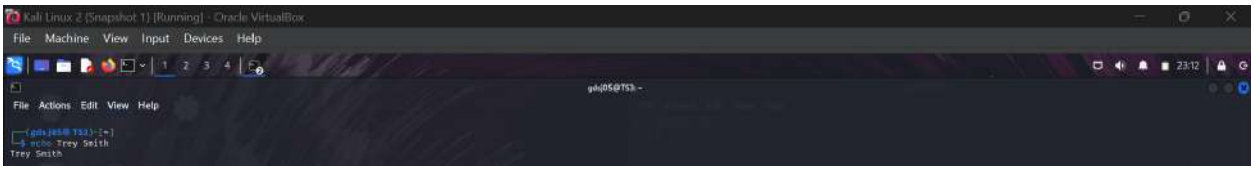
2. Display your current directory in a terminal

   - Print working directory = pwd



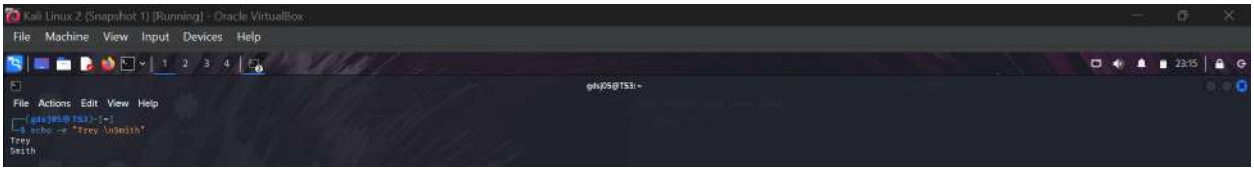
3. Use the echo command to print your name to the console.

   - Echo “words” will print what you typed in the terminal



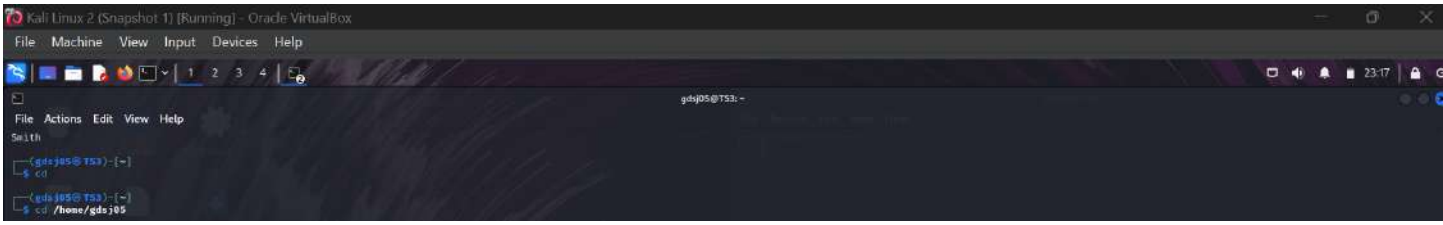
4. Display your first and last names in two separate lines using a single echo command (tip: how to enable the interpretation of escape characters?)

   - Adding -e to echo allows it to enable interpretation this way to know to register \n as a break



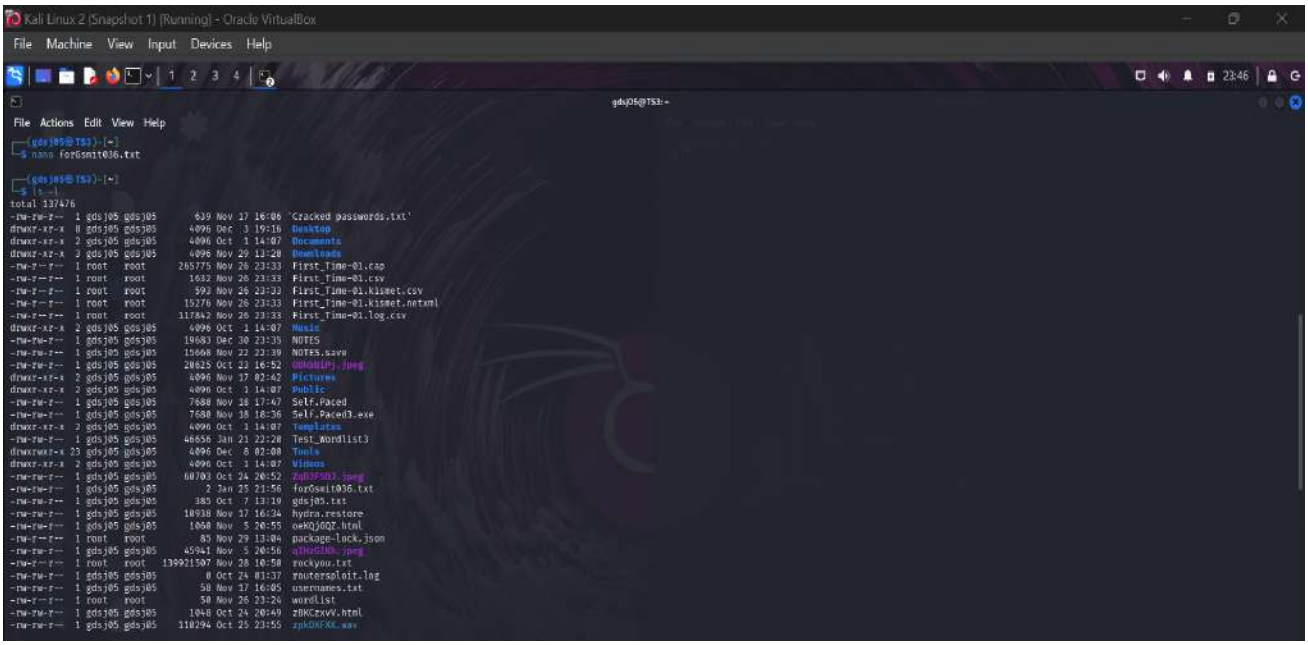
5. How to change to home directory using cd command and, absolute pathname.

- CD will automatically take you to your user's home directory but the absolute path for it is /home/"username."



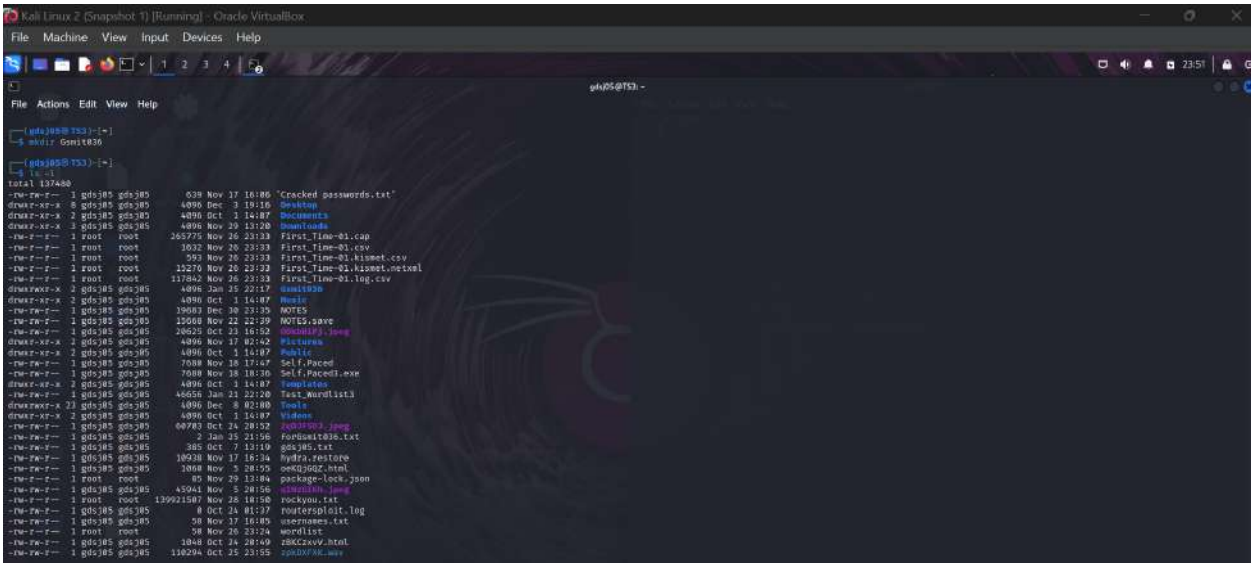
6. Create a new file named “forXXXX.txt” in your home directory (replace “XXXX” with your own MIDAS). Then, use the long listing format to display the contents in your home directory.

- What is the size of the file you just created?
    - 2
- Nano makes a txt file and ls -l creates a long list that gives an abundance of info



7. 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 contents in your home directory.

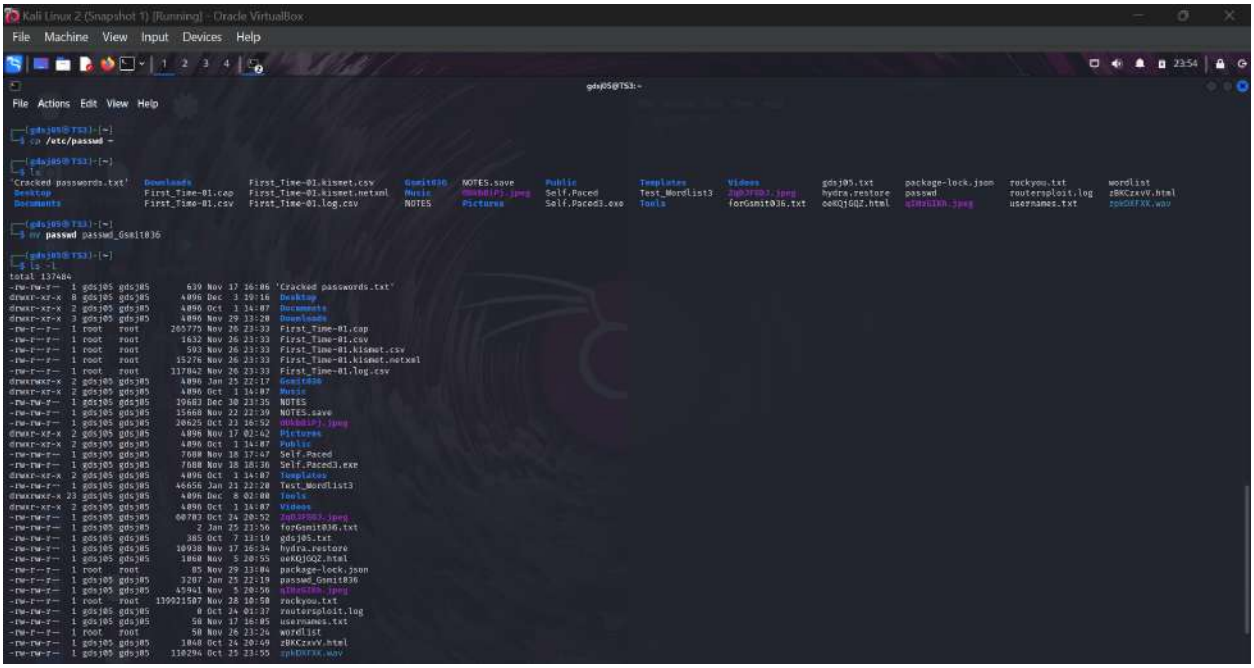
- What is the size of the file you just created?
    - 4096
- Mkdir makes a directory



8. 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:

A. Use the proper command to display the first six lines in this file.
   a. Head = first 10, head -n 6 = specifies a limit on how many I want to show

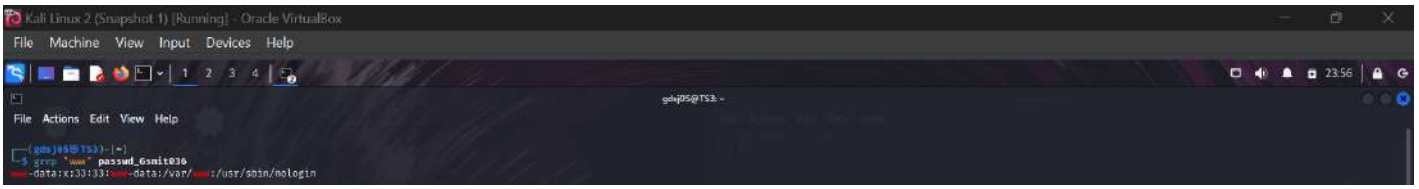
B. Search keyword “www” in this file.
   a. Grep command allows a search through a file



A

Kali Linux 2 (Snapshot 1) [Running] - Oracle VirtualBox
File Machine View Input Devices Help
File Actions Edit View Help
head -n 6 passwd_Gsmit036
root:x:0:0:root:/root:/usr/bin/zsh
daemon:x:1:1:daemon:/usr/sbin:/usr/sbin/nologin
bin:x:2:2:bin:/bin:/usr/sbin/nologin
sys:x:3:3:sys:/dev:/usr/sbin/nologin
sync:x:4:65534:sync:/bin:/bin/sync
games:x:5:60:games:/usr/games:/usr/sbin/nologin

B


Kali Linux 2 (Snapshot 1) [Running] - Oracle VirtualBox
File Machine View Input Devices Help
File Actions Edit View Help
grep "www" passwd_Gsmit036
www-data:x:33:33:www-data:/var/www:/usr/sbin/nologin