LONDON METROPOLITAN UNIVERSITY

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Level 5 – Network Operating system

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Student Name: Dipshan Ranabhat

London Met ID: 23048797

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I confirm that I understand my coursework needs to be submitted online via Google Classroom under the relevant module page before the deadline in order for my assignment to be accepted and marked. I am fully aware that late submissions will be treated as non-submission and a mark of zero will be awarded.

23048797

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1. Introuduction

Linux is an unix-like open source OS. It provides robust environments for developers and users. Kali Linux is Debian based linux which is designed for testing, cybersecurity, penetration and ethical hacking. The CLI of Kali Linux interact directly with the OS.

Commands like whoami and who provides inf0rmation about users of the system and finger provides more detailed information. Command like date display current date and other command like ls, cat, echo are used for list files and directories display file contend and print and write file.

2. Objective

3. Tools and Software used

i.   Virtual Box
        Virtual box is a free cross-platform virtualization tool which helps to run multiple operating systems on single device. It is mostly used by developers to efficiently test and deploy applications. (What is in Oracle VM VirtualBox Enterprise)

ii.   Kali linux
        It is a debian based OS mainly used for the purpose of cyber security. Terminal directly interacts with OS which makes it powerfull to be used for doing security tasks and management of files. (KALI)

4. Steps
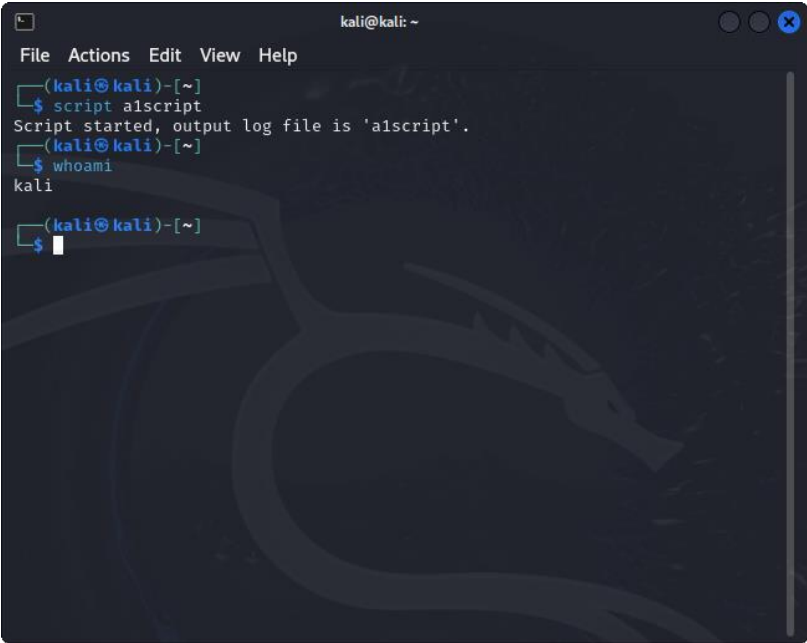
4.1 Viewing User and System information in Script

Figure 1: Starting Script Recording Session

Figure 2: Starting Script Recording Session

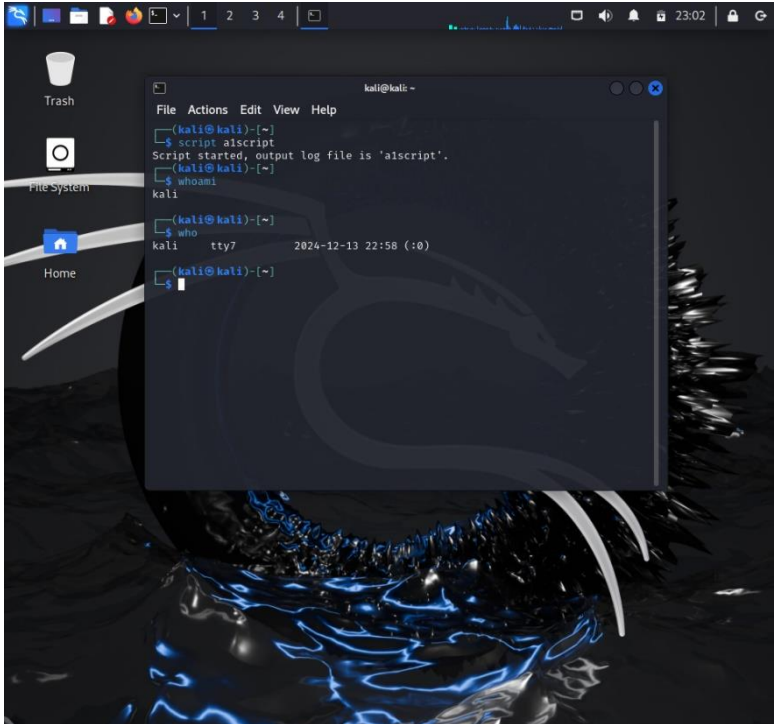*Figure 3: Viewing currently logged in user and listing all logged in user*

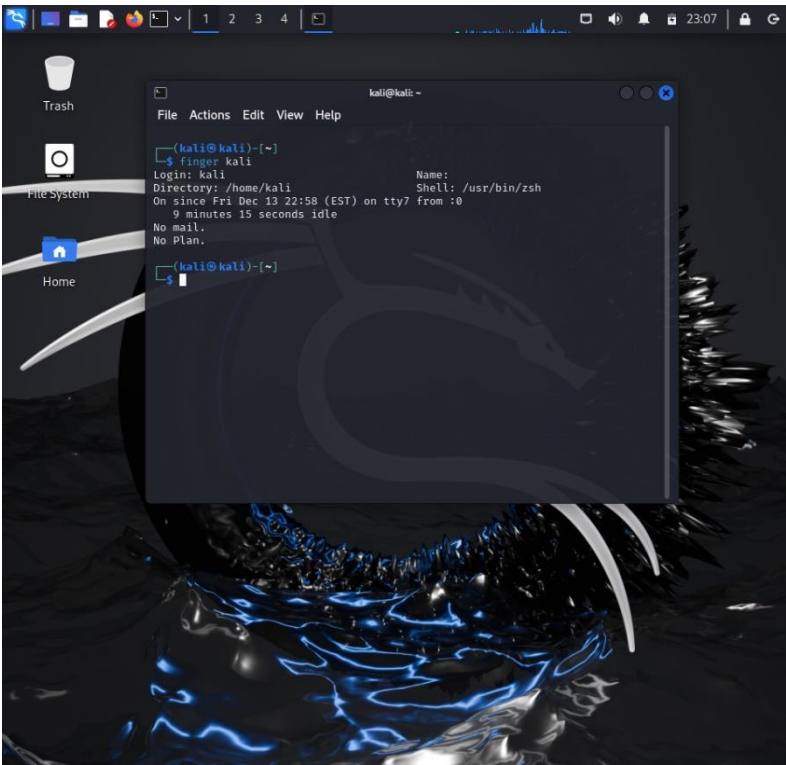*Figure 4: Viewing currently logged in user and listing all logged in user*

Figure 5: Viewing details of user account
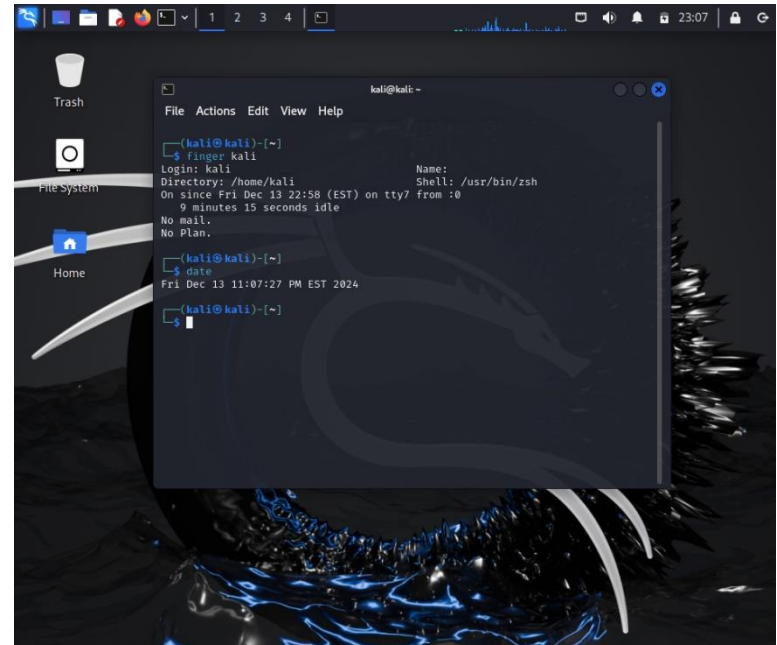
Figure 6: Viewing details of user account

Figure 7: Displaying current date and time

Figure 8: Displaying current date and time

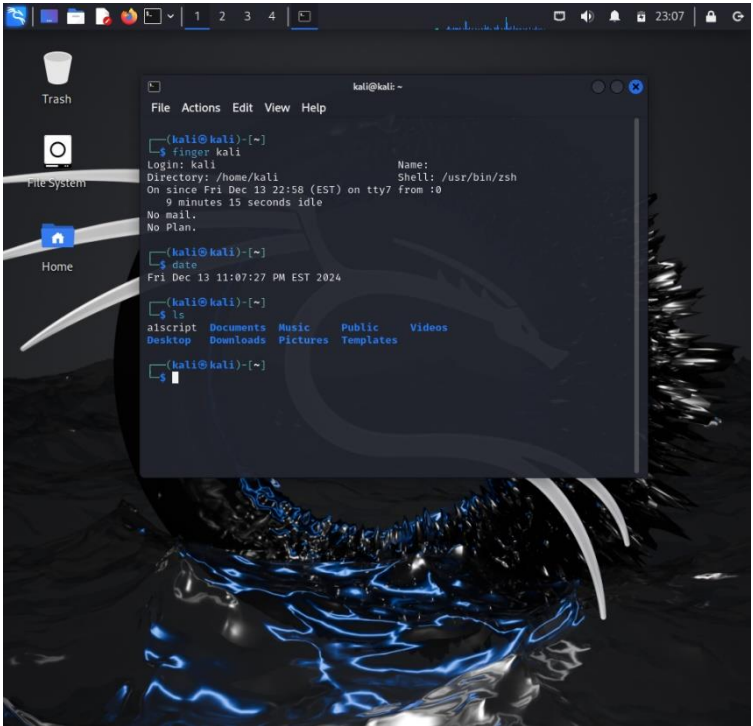## 4.2 Viewing , creating and combining files.
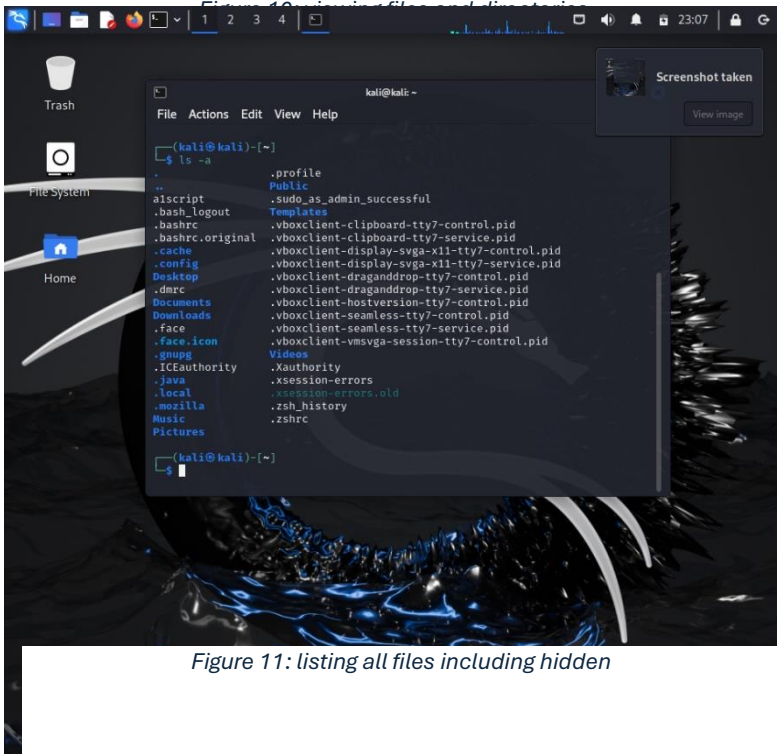

Figure 9: viewing files and directories

Figure 11: listing all files including hidden
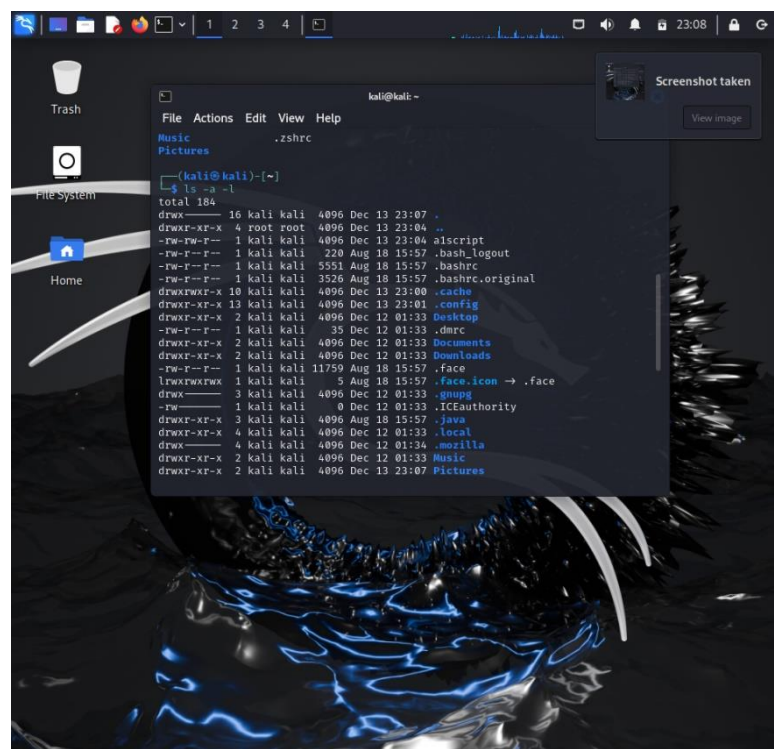
Figure 12: listing all files including hidden

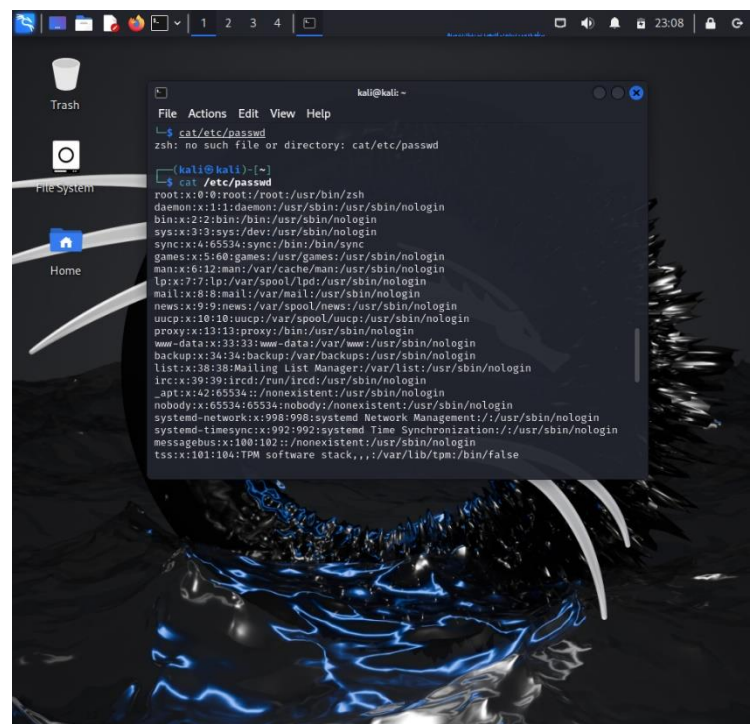*Figure 13: listing files with detailed information*

Figure 15: viewing contents of system file

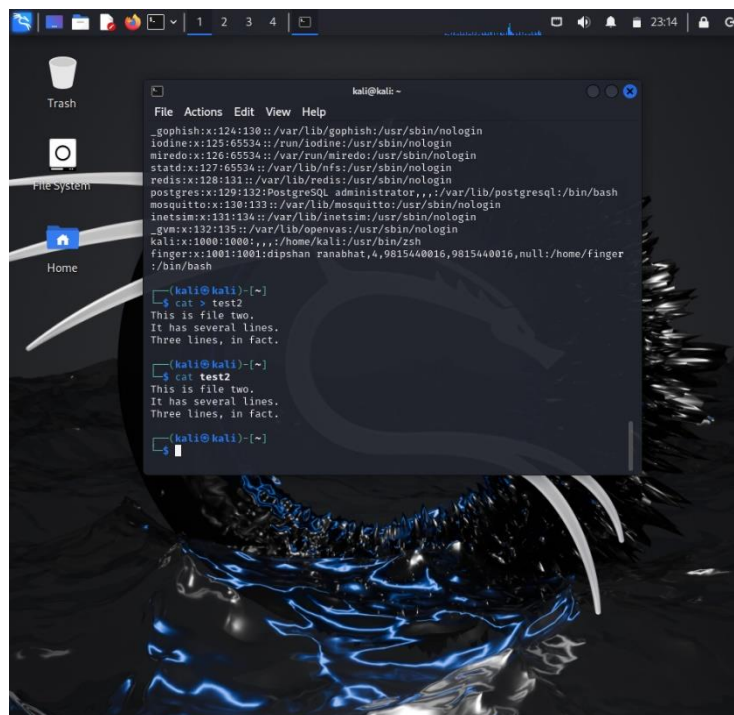*Figure 16: viewing contents of system file*

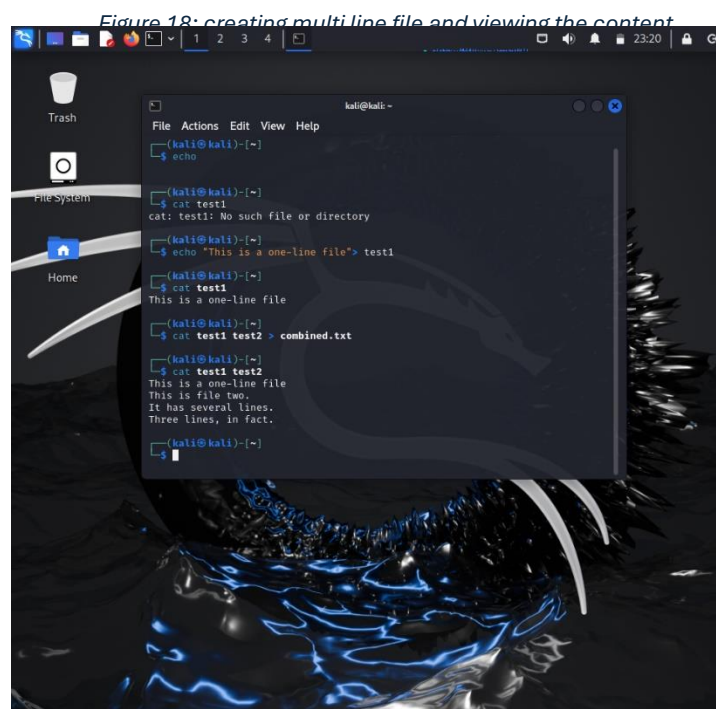*Figure 17: creating multi line file and viewing the content*

Figure 18: creating multi line file and viewing the content

Figure 19: creating one line file and combining it with multi line file

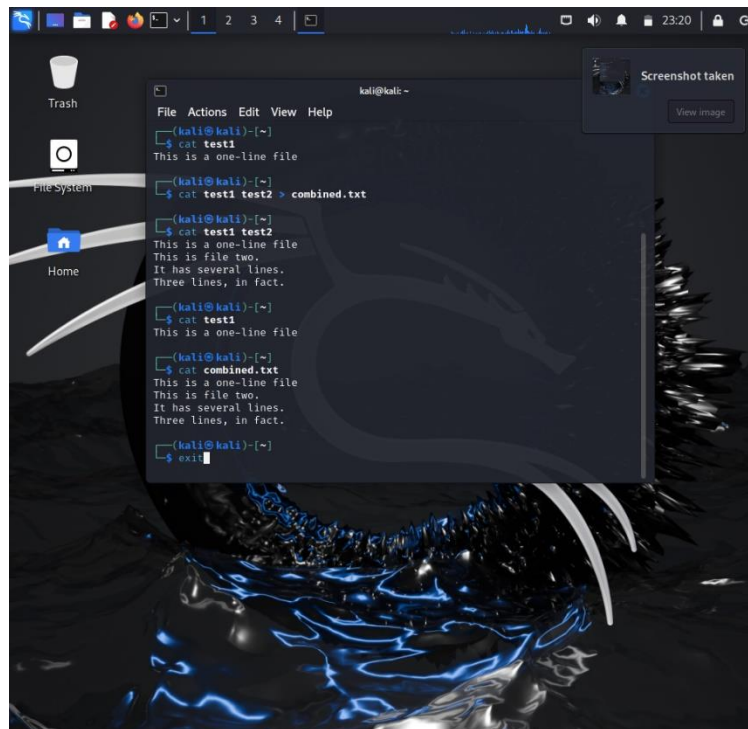*Figure 20: creating one line file and combining it with multi line file*

Figure 21: Exiting the Script

5. Conclusion

Finally , we have learned some basic and fundamental linux commands for system navigation, viewing the user information and management of files.

6. References

(KALI)

(What is in Oracle VM VirtualBox Enterprise)