Week 2: Linux Fundamentals

Name: V. Risvanth

1. Project Directory Setup:

mkdir my_project cd my_project

2. File Operations:

touch notes.txt cp notes.txt backup_notes.txt mkdir backup mv backup_notes.txt backup/

3. Directory Removal:

rm -r backup

4. Script File Creation and Permissions:

touch script.sh chmod 700 script.sh

5. Package Management:

sudo apt update sudo apt install htop -y htop -version sudo apt remove htop -y

6. Process Management:

ps aux | grep sleep kill <PID>

7. User and Group Management:

sudo adduser testuser sudo usermod -aG sudo testuser

8. Shell Script Execution:

echo "Hello, World!" > hello.sh chmod +x hello.sh ./hello.sh

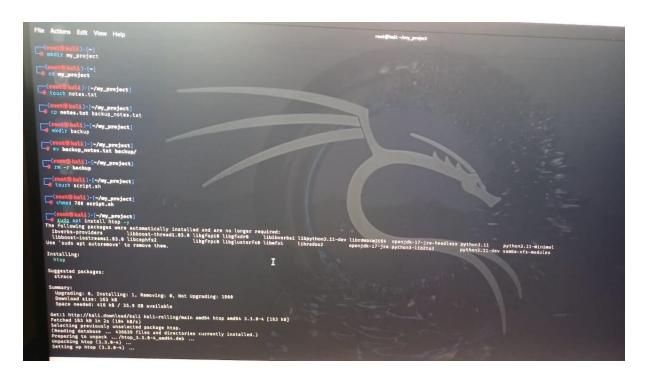
9. File Archiving and Compression:

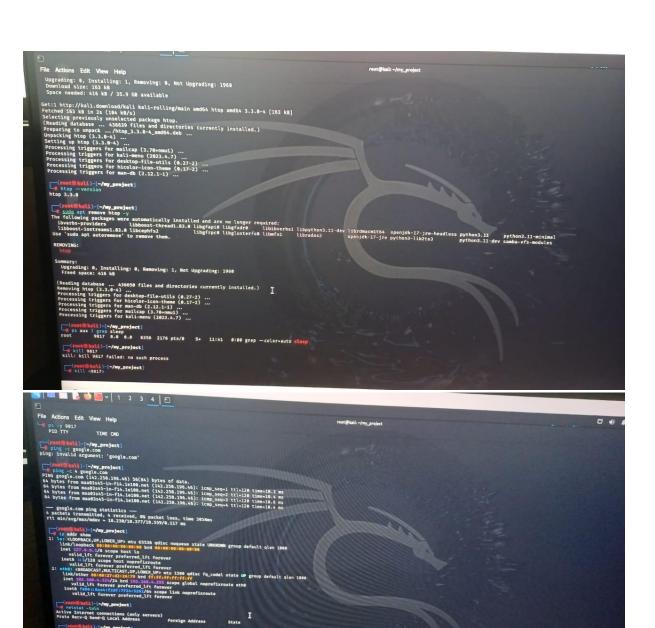
tar -cvf my_project.tar my_project/ tar -xvf my_project.tar gzip my_project.tar ls -l my_project.tar.gz

10. System Resource Monitoring:

df -h free -h Iscpu

Output:

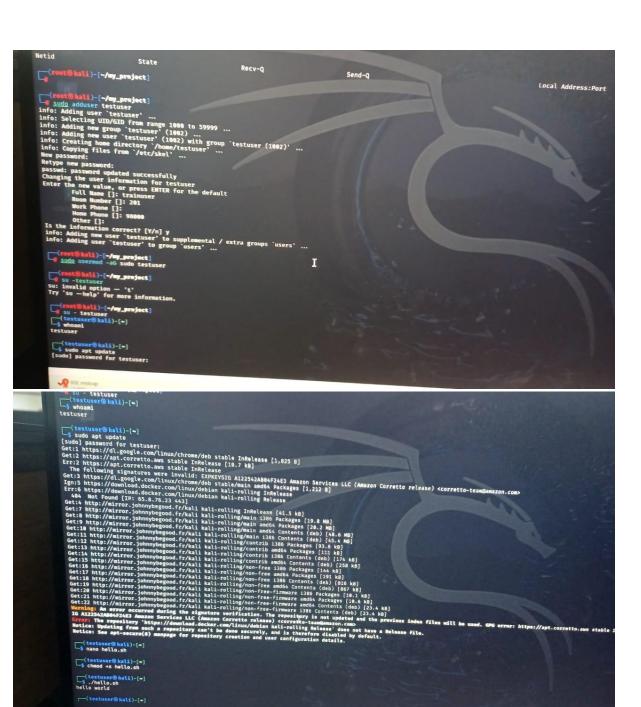




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BIOS Model name:
BIOS cRu family:
CRu 8 0.6GHz
CRu 8 0.6G
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Conclusion:

This week involved learning and applying various essential Linux commands, such as file creation, file manipulation, directory management, process handling, package management, and system monitoring.