A. User Operations

1. List Users

less /etc/passwd

2. Change User

su username

3. Check Session

who

B.File Operations

1. Read File

cat filename

- 2. Read File with Filtering cat filename | grep "Text"
- 3. Read File with Sorting cat filename | sort
- Create a File touch filename cat > filename
- 5. Write Into A File echo "Text" > filename
- 6. Create Directory **mkdir name**
- 7. CHMOD chmod -R 777 directory
- 8. Remove File

rm -r filename

- 9. Remove Directory **rmdir dir**
- 10. Edit File

vim filename

11.Search File

Find -name "filename**"

12. Copy File

cp old new

13. Move/Rename File my old new

C.Drives

- 1. See Data/File System Devices
- 2. See Unmounted Disks **Ishlk**

D.Services

- List Services Running systemctl
- 2. Services with Ports ss -tulw

E.Compress / Extract

tar -cvf newname files

tar -xvf name newdirectory

F. Ports

ss -tulw

fuser 8080/tcp

fuser -k 8080/tcp

G. Folder Structure

/etc => Configuration

/media

/usr

/lib

/opt

/home

ps -e | grep jenkins

g++ main.cpp -o main;

```
#include <iostream>
  void set(string a, string b) {
  void see() override{
```

```
GTest Install / Config
    sudo apt install libgtest-dev googletest
    sudo cd /usr/src/gtest cmake -Bbuild
    cmake -build build
    Cd gtest main
    Cp ./build/lib/libgtest* /usr/lib
https://www.youtube.com/watch?v=6dgFqh3UbP
Main.cpp
    #include <gtest/gtest.h>
int add(int a, int b){
    Return a+b:
TEST(add, positive){
ASSERT EQ(10, add(5,5));
Int main(int argc, char** argv){
::testing::InitGoogleTest(&argc, argv);
RUN_ALL_TEST();
Return 0;
CMakeLists.txt
    cmake minimum required(VERSION 3.22)
    project("Gtest)
    find package(GTest REQUIRED)
    add executable(a.out main.cpp)
    target_link_libraries(a.out
${GTEST LIBRARIES})
    enable testing()
    add test(add a.out)
Build
    cmake -Bbuild
    cmake -build build
    cd build >> ctest -V
```