Abdul Ahad (22-cs-071)

Lab Report 3

To: Sir Muhammad Hasnain

1. **Create a file lab03:**

touch lab03

1. **Write at least 20 lines to lab03:** You can use a text editor like nano or vim to open the file and manually add lines. Alternatively, you can use echo to add lines quickly:

for i in {1..20}; do echo "This is line $i" >> lab03; done

1. **First 5 lines:**

head -n 5 lab03

1. **Last 5 lines:**

tail -n 5 lab03

1. **Create lab01:**

touch lab01

1. **Create lab02:**

touch lab02

1. **Move lab01 to lab02 and rename it to lab03:**

mv lab01 lab03

1. **Append the current date to lab04:**

date >> lab04

1. **Overwrite lab04 with the output of the ls command:**

ls > lab04

1. **Make lab04 work (assuming you want to set permissions, replace "user" and "group" accordingly):**

chmod 755 lab04

1. **Set permission (None to user, write group, all other) using numeric method:**

chmod 026 lab04

1. **Check lab04 permissions:**

ls -l lab04

1. **Set permissions (None to user, write group, all other) using symbolic method:**

chmod u=,g=w,o=r lab04

1. **Set permission (user add read):**

chmod u+r lab04

1. **Set permission (group write remove):**

chmod g-w lab04

1. **Set other permissions to read and execute:**

chmod o=rx lab04

1. **Set all permissions (read, write, execute) for all:**

chmod 777 lab04

1. **Check lab04 permissions again:**

ls -l lab04

You can run these commands in a terminal on your Ubuntu system. Let me know if you need any further assistance!

**Performance :**

for i in {1..20}; do echo "This is line $i" >> lab03; done

head -n 5 lab03

tail -n 5 lab03

touch lab01

touch lab02

mv lab01 lab02 lab03 Lab04

mkdir Lab04

mv lab01 lab02 lab03 Lab04

date > lab04

date > lab04.txt

cat lab04.txt

ls > lab04.txt

cat lab04.txt

ls -l lab04

chmod 027 lab04

ls -l lab04

chmod u=,g+w,o=rwx lab04

ls -l lab04

ls -l lab04.txt

chmod 027 lab04.txt

ls -l lab04.txt

sudo chmod 027 lab04.txt

ls -l lab04.txt

chmod 405 lab04.txt

ls -l lab04.txt

chmod u+r,g-w,o=rx lab04

ls -l lab04.txt

chmod 666 lab04.txt

ls -l lab04.txt

chmod u+rw,g+rw,o+rw lab04

ls -l lab04.txt

history > LabReport03.txt