

Assignment-1 Linux

1. Create a new directory called "practice" in your home directory.
mkdir practice.
cd practice
2. Inside the "practice" directory, create a new file called "file1.txt" and add some text to it.
touch file1.txt
cat > file1.txt
Hello This is Nikitha
3. Copy "file1.txt" to a new file called "file2.txt" in the same directory.
cp file1.txt file2.txt
4. Move "file2.txt" to a new directory called "backup" that is located inside the "practice" directory.
mkdir backup
mv file2.txt backup
5. Create a new directory called "scripts" inside the "practice" directory.
mkdir scripts.
cd scripts
6. Create a new file called "myscript.sh" inside the "scripts" directory.
touch myscript.sh
7. Add the following code to "myscript.sh":
#!/bin/bash
cat > myscript.sh
#!/bin/bash
8. echo "Hello World!"

9. Make "myscript.sh" executable using the command "chmod +x myscript.sh".
Chmod +x myscript.sh
10. Run "myscript.sh" using the command "./myscript.sh".
./myscript.sh
11. Add a line to "myscript.sh" that creates a new file called "output.txt" in the same directory and writes the output of the "echo" command to it.
cat > myscript.sh
echo "Goodevening"op.txt
12. Run "myscript.sh" again and verify that "output.txt" has been created and contains the expected output.
./myscript.sh
13. Create a new user account called "testuser".
su root
14. Switch to the "test user" account using the command "su testuser".
sudo adduser newuser
15. Verify that you are now logged in as "testuser" using the command "whoami".
whoami
16. Switch back to your original user account using the command "exit".
exit

Activities Terminal Apr 4 14:44 nikitha@ubuntu: ~

```
nikitha@ubuntu:~$ mkdir practice
nikitha@ubuntu:~$ cd practice
nikitha@ubuntu:~/practice$ touch file1.txt
nikitha@ubuntu:~/practice$ cat > file1.txt
Hello This is Nikitha
nikitha@ubuntu:~/practice$ cp file1.txt file2.txt
nikitha@ubuntu:~/practice$ touch file2.txt
nikitha@ubuntu:~/practice$ more file2.txt
Hello This is Nikitha
nikitha@ubuntu:~/practice$ mkdir backup
nikitha@ubuntu:~/practice$ mv file2.txt backup
nikitha@ubuntu:~/practice$ cd backup
nikitha@ubuntu:~/practice/backup$ ls
file2.txt
nikitha@ubuntu:~/practice/backup$ more file2.txt
Hello This is Nikitha
nikitha@ubuntu:~/practice/backup$ cd ../
nikitha@ubuntu:~/practice$ mkdir scripts
nikitha@ubuntu:~/practice$ cd scripts
nikitha@ubuntu:~/practice/scripts$ cat > myscript.sh
#!/bin/bash
nikitha@ubuntu:~/practice/scripts$ echo "Hello World"
Hello World
nikitha@ubuntu:~/practice/scripts$ chmod +x myscript.sh
nikitha@ubuntu:~/practice/scripts$ ./myscript.sh
nikitha@ubuntu:~/practice/scripts$ cat > myscript.sh
echo "Goodevening">op.txt
nikitha@ubuntu:~/practice/scripts$ ./myscript.sh
nikitha@ubuntu:~/practice/scripts$ sudo adduser testuser
```

Activities Terminal Apr 4 14:45

nikitha@ubuntu: ~

```
nikitha
nikitha@ubuntu:~$ su root
Password:
su: Authentication failure
nikitha@ubuntu:~$ sudo root
[sudo] password for nikitha:
Sorry, try again.
[sudo] password for nikitha:
sudo: no password was provided
sudo: 1 incorrect password attempt
nikitha@ubuntu:~$ chage -l nikitha
Last password change           : Apr 03, 2023
Password expires                : never
Password inactive               : never
Account expires                 : never
Minimum number of days between password change : 0
Maximum number of days between password change : 99999
Number of days of warning before password expires : 7
nikitha@ubuntu:~$ /etc/passwd
bash: /etc/passwd: Permission denied
nikitha@ubuntu:~$ sudo root
[sudo] password for nikitha:
sudo: no password was provided
sudo: a password is required
nikitha@ubuntu:~$ su root
Password:
su: Authentication failure
nikitha@ubuntu:~$ useradd testuser
useradd: Permission denied.
```

Activities Terminal Apr 4 14:46

nikitha@ubuntu: ~

```
nikitha@ubuntu:~$ sudo -s
[sudo] password for nikitha:
nikitha is not in the sudoers file. This incident will be reported.
nikitha@ubuntu:~$ su root
Password:
su: Authentication failure
nikitha@ubuntu:~$ su root
Password:
root@ubuntu:/home/nikitha# su adduser newuser
su: user adduser does not exist or the user entry does not contain all the re
ired fields
root@ubuntu:/home/nikitha# sudo adduser newuser
Adding user `newuser' ...
Adding new group `newuser' (1001) ...
Adding new user `newuser' (1001) with group `newuser' ...
Creating home directory `/home/newuser' ...
Copying files from `/etc/skel' ...
New password:
BAD PASSWORD: The password is shorter than 8 characters
Retype new password:
Sorry, passwords do not match.
New password:
BAD PASSWORD: The password is shorter than 8 characters
Retype new password:
Sorry, passwords do not match.
New password:
Retype new password:
passwd: password updated successfully
Changing the user information for newuser
```

```
Activities  Terminal  Apr 4 14:46  nikitha@ubuntu: ~  
New password:  
BAD PASSWORD: The password is shorter than 8 characters  
Retype new password:  
Sorry, passwords do not match.  
New password:  
Retype new password:  
passwd: password updated successfully  
Changing the user information for newuser  
Enter the new value, or press ENTER for the default  
Full Name []: NewUser  
Room Number []:  
Work Phone []:  
Home Phone []:  
Other []:  
Is the information correct? [Y/n] y  
root@ubuntu:/home/nikitha# su newuser  
newuser@ubuntu:/home/nikitha$ whoami  
newuser  
newuser@ubuntu:/home/nikitha$ exit  
exit  
root@ubuntu:/home/nikitha# su -s  
su: option requires an argument -- 's'  
Try 'su --help' for more information.  
root@ubuntu:/home/nikitha# whoami  
root  
root@ubuntu:/home/nikitha# su nikitha  
nikitha@ubuntu:~$ whoami  
nikitha  
nikitha@ubuntu:~$
```