Assignment for Linux skills

1. Create a new directory called "practice" in your home directory.
2. Inside the "practice" directory, create a new file called "file1.txt" and add some text to it.
3. Copy "file1.txt" to a new file called "file2.txt" in the same directory.
4. Move "file2.txt" to a new directory called "backup" that is located inside the "practice" directory.
5. Create a new directory called "scripts" inside the "practice" directory.
6. Create a new file called "myscript.sh" inside the "scripts" directory.
7. Add the following code to "myscript.sh":
   #!/bin/bash
8. echo "Hello World!"
9. Make "myscript.sh" executable using the command "chmod +x myscript.sh".
10. Run "myscript.sh" using the command "./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.
12. Run "myscript.sh" again and verify that "output.txt" has been created and contains the expected output.
13. Create a new user account called "testuser".
14. Switch to the "test user" account using the command "su testuser".
15. Verify that you are now logged in as "testuser" using the command "whoami".
16. Switch back to your original user account using the command "exit".

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amreen@ubuntu:~$ cd practice
bash: cd: practice: No such file or directory
amreen@ubuntu:~$ mkdir practice
amreen@ubuntu:~$ cd practice
amreen@ubuntu:~/practice$ touch file1.txt
amreen@ubuntu:~/practice$ touch file2.txt
amreen@ubuntu:~/practice$ echo "this is file1 content" >> file1.txt
amreen@ubuntu:~/practice$ cp file1.txt file2.txt
amreen@ubuntu:~/practice$ mkdir backup
amreen@ubuntu:~/practice$ cd backup
amreen@ubuntu:~/practice/backup$ mv file2.txt backup
mv: cannot stat 'file2.txt': No such file or directory
amreen@ubuntu:~/practice$ cd ..
amreen@ubuntu:~/practice$ mv file2.txt backup
amreen@ubuntu:~/practice$ cd backup
amreen@ubuntu:~/practice/backup$ cat file2.txt
this is file1 content
amreen@ubuntu:~/practice/backup$ cd ..
amreen@ubuntu:~/practice$ mkdir scripts
amreen@ubuntu:~/practice$ cd scripts
amreen@ubuntu:~/practice/scripts$ touch myscripts.sh
amreen@ubuntu:~/practice/scripts$ echo "#!/bin/bash"
bash: !/bin/bash: event not found
amreen@ubuntu:~/practice/scripts$ nano myscript.sh
amreen@ubuntu:~/practice/scripts$ echo "hello world"
hello world
amreen@ubuntu:~/practice/scripts$ nano myscript.sh
amreen@ubuntu:~/practice/scripts$ nano myscript.sh
amreen@ubuntu:~/practice/scripts$ chmod +x myscripts.sh
amreen@ubuntu:~/practice/scripts$ ./myscripts.sh
amreen@ubuntu:~/practice/scripts$ nano myscript.sh
amreen@ubuntu:~/practice/scripts$ chmod +x myscript.sh
amreen@ubuntu:~/practice/scripts$ ./myscript.sh
hello world
amreen
amreen@ubuntu:~/practice/scripts$ touch output.txt
amreen@ubuntu:~/practice/scripts$ nano myscript.sh
amreen@ubuntu:~/practice/scripts$ chmod +x myscript.sh
amreen@ubuntu:~/practice/scripts$ ./myscript.sh
amreen
amreen@ubuntu:~/practice/scripts$ cat output.txt
hello world
amreen@ubuntu:~/practice/scripts$ sudo adduser testuser
[sudo] password for amreen:
Sorry, try again.
[sudo] password for amreen:
amreen is not in the sudoers file.  This incident will be reported.
amreen@ubuntu:~/practice/scripts$ su root
Password:
root@ubuntu:/home/amreen/practice/scripts# superuser amreen
superuser: command not found
root@ubuntu:/home/amreen/practice/scripts# ^C
root@ubuntu:/home/amreen/practice/scripts# add user "amreen"
Command 'add' not found, did you mean:
  command 'hadd' from snap root-framework (v6-28-00)
  command 'atd' from deb at (3.2.5-1ubuntu1)
```

```
root@ubuntu:/home/amreen/practice/scripts# ^C
root@ubuntu:/home/amreen/practice/scripts# add user "amreen"
Command 'add' not found, did you mean:
  command 'hadd' from snap root-framework (v6-28-00)
  command 'atd' from deb at (3.2.5-1ubuntu1)
  command 'adb' from deb adb (1:10.0.0+r36-9)
  command 'ddd' from deb ddd (1:3.3.12-5.3build1)
  command 'dd' from deb coreutils (8.32-4.1ubuntu1)
  command 'pdd' from deb pdd (1.5-1)
  command 'ad' from deb netatalk (3.1.12-ds-9build1)
  command 'axd' from deb afnix (3.5.0-3)
  command 'tdd' from deb devtodo (0.1.20+git20200830.0ad52b0-1)
  command 'adr' from deb adr-tools (3.0.0-2)
  command 'aid' from deb id-utils (4.6.28-20200521ss15dab)
  command 'ldd' from deb libc-bin (2.35-0ubuntu3.1)
  command 'and' from deb and (1.2.2-4.2)
See 'snap info <snapname>' for additional versions.
root@ubuntu:/home/amreen/practice/scripts# sudo su
root@ubuntu:/home/amreen/practice/scripts# adduser "amreen0.0"
adduser: Please enter a username matching the regular expression configured
via the NAME_REGEX[_SYSTEM] configuration variable.  Use the `--force-badname'
option to relax this check or reconfigure NAME_REGEX.
root@ubuntu:/home/amreen/practice/scripts# adduser "amreen0_0"
Adding user `amreen0_0' ...
Adding new group `amreen0_0' (1001) ...
Adding new user `amreen0_0' (1001) with group `amreen0_0' ...
Creating home directory `/home/amreen0_0' ...
Copying files from `/etc/skel' ...
New password:
BAD PASSWORD: The password is shorter than 8 characters
Retype new password:
passwd: password updated successfully
Changing the user information for amreen0_0
Enter the new value, or press ENTER for the default
        Full Name []:
        Room Number []:
        Work Phone []:
        Home Phone []:
        Other []:
Is the information correct? [Y/n]
root@ubuntu:/home/amreen/practice/scripts# su amreen0_0
amreen0_0@ubuntu:/home/amreen/practice/scripts$ su testuser
su: user testuser does not exist or the user entry does not contain all the required fields
amreen0_0@ubuntu:/home/amreen/practice/scripts$ su amreen0_0
Password:
su: Authentication failure
amreen0_0@ubuntu:/home/amreen/practice/scripts$ neerma
neerma: command not found
amreen0_0@ubuntu:/home/amreen/practice/scripts$ su amreen0_0
Password:
amreen0_0@ubuntu:/home/amreen/practice/scripts$ whoami
amreen0_0
amreen0_0@ubuntu:/home/amreen/practice/scripts$ exit
exit
amreen0_0@ubuntu:/home/amreen/practice/scripts$
```