LAB 4: Practical management of accounts and user groups

1.

File Edit View Search Terminal Help

```
illia@debianlab:~$ su -
Password:
root@debianlab:~# useradd -m -c "Illia Nykonchuk" -s /bin/sh inykonchuk
```

```
root@debianlab:~# grep inykonchuk /etc/passwd
inykonchuk:x:1003:1003:Illia Nykonchuk:/home/inykonchuk:/bin/sh
root@debianlab:~# passwd inykonchuk
New password:
Retype new password:
passwd: password updated successfully
```

2 and 3.

```
root@debianlab:~# groupadd -g 693 nykonchuk
root@debianlab:~# grep testing /etc/group
root@debianlab:~# grep nykonchuk  /etc/group
inykonchuk:x:1003:
nykonchuk:x:693:
root@debianlab:~# usermod -aG nykonchuk,bin inykonchuk
root@debianlab:~# grep inykonchuk /etc/group
bin:x:2:inykonchuk
inykonchuk:x:1003:
nykonchuk:x:693:inykonchuk
```

4.

File Edit View Search Terminal Help

```
illia@debianlab:~$ su - inykonchuk
Password:
$ newgrp nykonchuk
$ touch /home/inykonchuk/file.txt
$ ls -l /home/inykonchuk/file.txt
-rw-r--r-- 1 inykonchuk nykonchuk 0 Mar 29 11:11 /home/inykonchuk/file.txt
```

5, 6 and 7.

```
illia@debianlab:~$ su -
Password:
root@debianlab:~# less /etc/passwd

[1]+  Stopped                 less /etc/passwd
root@debianlab:~# userdel inykonchuk
root@debianlab:~# find /home -uid 1003 -ls
   137498        4 drwxr-xr-x   2 1003      1003          4096 Mar 29 11:11 /home/inykonchuk
   137499       20 -rw-r--r--   1 1003      1003         18774 Mar 25 17:55 /home/inykonchuk/services
   137500        4 -rw-r--r--   1 1003      1003           807 Apr 18  2019 /home/inykonchuk/.profile
   137507        0 -rw-r--r--   1 1003      nykonchuk        0 Mar 29 11:11 /home/inykonchuk/file.txt
   137502        4 -rw-r--r--   1 1003      1003           220 Apr 18  2019 /home/inykonchuk/.bash_logout
   137503        4 -rw-r--r--   1 1003      1003          3526 Apr 18  2019 /home/inykonchuk/.bashrc
root@debianlab:~# cp /etc/services /etc/skel
root@debianlab:~# useradd -m -d /home/nykonchukillia -c "Nykonchuk_Illia" nykonchuki
root@debianlab:~# ls -l /home nykonchukillia
ls: cannot access 'nykonchukillia': No such file or directory
/home:
total 12
drwxr-xr-x 17 illia       illia     4096 Mar 29 10:41 illia
drwxr-xr-x  2 nykonchuki nykonchuki 4096 Mar 29 11:11 inykonchuk
drwxr-xr-x  2 nykonchuki nykonchuki 4096 Mar 29 11:16 nykonchukillia
root@debianlab:~# ls -l /home/nykonchukillia
total 20
-rw-r--r-- 1 nykonchuki nykonchuki 18774 Mar 29 11:14 services
```

8.

```
root@debianlab:~# find /home -user nykonchuki -ls
   137498        4 drwxr-xr-x   2 nykonchuki nykonchuki    4096 Mar 29 11:11 /home/inykonchuk
   137499       20 -rw-r--r--   1 nykonchuki nykonchuki   18774 Mar 25 17:55 /home/inykonchuk/services
   137500        4 -rw-r--r--   1 nykonchuki nykonchuki     807 Apr 18  2019 /home/inykonchuk/.profile
   137507        0 -rw-r--r--   1 nykonchuki nykonchuk        0 Mar 29 11:11 /home/inykonchuk/file.txt
   137502        4 -rw-r--r--   1 nykonchuki nykonchuki     220 Apr 18  2019 /home/inykonchuk/.bash_logout
   137503        4 -rw-r--r--   1 nykonchuki nykonchuki    3526 Apr 18  2019 /home/inykonchuk/.bashrc
   137508        4 drwxr-xr-x   2 nykonchuki nykonchuki    4096 Mar 29 11:16 /home/nykonchukillia
   137509       20 -rw-r--r--   1 nykonchuki nykonchuki   18774 Mar 29 11:14 /home/nykonchukillia/services
   137512        4 -rw-r--r--   1 nykonchuki nykonchuki     807 Apr 18  2019 /home/nykonchukillia/.profile
   137513        4 -rw-r--r--   1 nykonchuki nykonchuki     220 Apr 18  2019 /home/nykonchukillia/.bash_logout
   137517        4 -rw-r--r--   1 nykonchuki nykonchuki    3526 Apr 18  2019 /home/nykonchukillia/.bashrc
```

9.

```
                          illia@debianlab: ~

File   Edit   View   Search   Terminal   Help
root@debianlab:~# su - nykonchuki
$ touch /tmp/nykonchukfile.txt
$ setfacl -m u:bin:rw /tmp/nykonchukfile.txt
$ setfacl -m g:lp:rw /tmp/nykonchukfile.txt
$ getfacl /tmp/nykonchukfile.txt
getfacl: Removing leading '/' from absolute path names
# file: tmp/nykonchukfile.txt
# owner: nykonchuki
# group: nykonchuki
user::rw-
user:bin:rw-
group::r--
group:lp:rw-
mask::rw-
other::r--
```
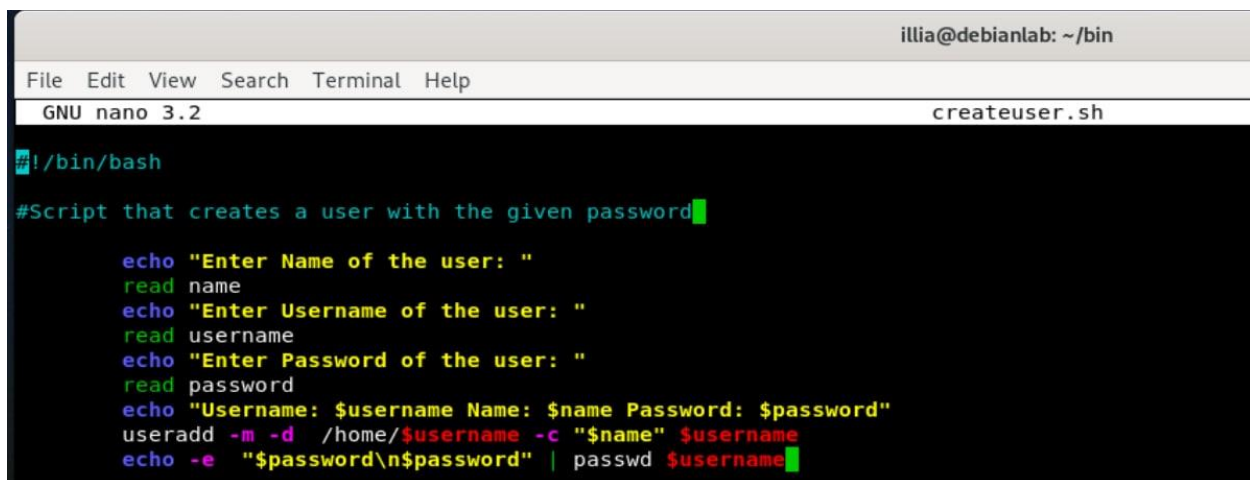
10.

File   Edit   View   Search   Terminal   Help

```
$ mkdir /tmp/mydir
$ setfacl -m d:u:adm:rwx /tmp/mydir
$ getfacl /tmp/mydir
getfacl: Removing leading '/' from absolute path names
# file: tmp/mydir
# owner: nykonchuki
# group: nykonchuki
user::rwx
group::r-x
other::r-x
default:user::rwx
default:user:adm:rwx
default:group::r-x
default:mask::rwx
default:other::r-x

$ mkdir /tmp/mydir/testing
$ touch /tmp/mydir/newfile.txt
$ getfacl /tmp/mydir/testing
getfacl: Removing leading '/' from absolute path names
# file: tmp/mydir/testing
# owner: nykonchuki
# group: nykonchuki
user::rwx
user:adm:rwx
group::r-x
mask::rwx
other::r-x
default:user::rwx
default:user:adm:rwx
default:group::r-x
default:mask::rwx
default:other::r-x
```

```
$ getfacl /tmp/mydir/newfile.txt
getfacl: Removing leading '/' from absolute path names
# file: tmp/mydir/newfile.txt
# owner: nykonchuki
# group: nykonchuki
user::rw-
user:adm:rwx                    #effective:rw-
group::r-x                      #effective:r--
mask::rw-
other::r--
```

```
$ getfacl /tmp/mydir/newfile.txt
getfacl: Removing leading '/' from absolute path names
# file: tmp/mydir/newfile.txt
# owner: nykonchuki
# group: nykonchuki
user::rw-
user:adm:rwx                          #effective:rw-
group::r-x                            #effective:r--
mask::rw-
other::r--
```

```
$ chmod 775 /tmp/mydir/newfile.txt
$ getfacl /tmp/mydir/newfile.txt
getfacl: Removing leading '/' from absolute path names
# file: tmp/mydir/newfile.txt
# owner: nykonchuki
# group: nykonchuki
user::rwx
user:adm:rwx
group::r-x
mask::rwx
other::r-x
```

11.

illia@debianlab: ~/bin

File Edit View Search Terminal Help

GNU nano 3.2   createuser.sh

```bash
#!/bin/bash

#Script that creates a user with the given password

    echo "Enter Name of the user: "
    read name
    echo "Enter Username of the user: "
    read username
    echo "Enter Password of the user: "
    read password
    echo "Username: $username Name: $name Password: $password"
    useradd -m -d  /home/$username -c "$name" $username
    echo -e  "$password\n$password" | passwd $username
```

```
root@debianlab:/home/illia/bin# nano createuser.sh
root@debianlab:/home/illia/bin# bash createuser.sh
Enter Name of the user:
testingscript
Enter Username of the user:
testingscript11
Enter Password of the user:
123
Username: testingscript11 Name: testingscript Password: 123
New password: Retype new password: passwd: password updated successfully
root@debianlab:/home/illia/bin# su - testingscript11
$ exit
root@debianlab:/home/illia/bin# exit
logout
There are stopped jobs.
root@debianlab:/home/illia/bin# exit
logout
illia@debianlab:~/bin$ su - testingscript11
Password:
$
```