Assignment 3: Group Permissions

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Exercise 1a: Step 14

```
[root@localhost jesserussell]# passwd Ivy
Changing password for user Ivy.
New password:
BAD PASSWORD: The password fails the dictionary check - it is based on a dictionary word
Retype new password:
passwd: all authentication tokens updated successfully.
[root@localhost jesserussell]# grep Ivy /etc/shadow
Ivy:$6$Mk2VzRg8$6Eecr0WO3aEG4bAfq2YZf4JlMDbRPZOYOBOgl2aw9OXyq8EfhyIlDqfnDYeDCtuBe0wSd4vulhlr./.D0TFcU/:18170:0:99999:7:::
[root@localhost jesserussell]#
```

This is the Shadow file for Ivy, showing a salted hash for the password field.

Exercise 1b: Step 5

1. Group (aka Group Name): Students
2. Password: x
3. GID: 1003
4. Users:

Exercise 1b: Step 9

```
jroupo. ... .. ...... ....
[root@localhost jesserussell]# groups Ivy
Ivy : Ivy
[root@localhost jesserussell]# usermod -a -G Students Ivy
[root@localhost jesserussell]# groups Ivy
Ivy : Ivy Students
[root@localhost jesserussell]# grep Students /etc/group
Students:x:1003:Ivy
[root@localhost jesserussell]#
```

This is the Students group file after Ivy was added to the group.

Exercise 2: Step 5

```
[root@localhost jesserussell]# su jesserussell
[jesserussell@localhost ~]$ touch fileA.txt
[jesserussell@localhost ~]$ ls -l fileA.txt
-rw-rw-r--. 1 jesserussell jesserussell 0 Oct  1 17:11 fileA.txt
[jesserussell@localhost ~]$
```

1) File type code: -
2) Owner permissions string: rw-
3) Group permissions string: rw-
4) Other permissions string: r--
5) File owner's username: jesserussell
6) File's group name: jesserussell

Exercise 2: Step 6

Record your username here: jesserussell

Exercise 2: Step 7

Record your directory here: /home/jesserussell

Exercise 2: Step 14

```
-rw-rw-r--. 1 root jesserussell 0 Oct  1 17:11 fileA.txt
[root@localhost jesserussell]# chown jesserussell fileA.txt
[root@localhost jesserussell]# ls -l fileA.txt
-rw-rw-r--. 1 jesserussell jesserussell 0 Oct  1 17:11 fileA.txt
[root@localhost jesserussell]#
```

The ownership of the file has changed back to jesserussell

Exercise 2: Step 20

```
Password:
Last login: Tue Oct  1 17:23:45 EDT 2019 on pts/0
[root@localhost ~]# cd /home/jesserussell
[root@localhost jesserussell]# ls -l fileA.txt
-rw-rw-r--. 1 jesserussell jesserussell 0 Oct  1 17:11 fileA.txt
[root@localhost jesserussell]#
```

The file is in the current directory as I am signed into root.

Exercise 3: Step 4

1) File type code: -
2) Owner permissions string: rw-
3) Group permissions string: rw-
4) Other permissions string: r--
5) File owner's username: jesserussell
6) File's group name: jesserussell

Exercise 3: Step 6

```
[jesserussell@localhost ~]$ ls -l fileB.txt
-rw-rw-r--. 1 jesserussell jesserussell 0 Oct  1 17:44 fileB.txt
[jesserussell@localhost ~]$ chmod u+x fileb.txt
chmod: cannot access 'fileb.txt': No such file or directory
[jesserussell@localhost ~]$ chmod u+x fileB.txt
[jesserussell@localhost ~]$ ls -l fileB.txt
-rwxrw-r--. 1 jesserussell jesserussell 0 Oct  1 17:44 fileB.txt
[jesserussell@localhost ~]$
```

Owner permissions string: rwx

Exercise 3: Step 7

Group permissions string: -w-

Exercise 3: Step 10

Other permissions string: rw-

Exercise 3: Step 12

```
chmod: cannot access 'file.txt': No such file or directory
[jesserussell@localhost ~]$ chmod o+w fileB.txt
[jesserussell@localhost ~]$ ls -l fileB.txt
-rwx-w-rw-. 1 jesserussell jesserussell 0 Oct  1 17:44 fileB.txt
[jesserussell@localhost ~]$ chmod ug=rw fileB.txt
[jesserussell@localhost ~]$ ls -l fileB.txt
-rw-rw-rw-. 1 jesserussell jesserussell 0 Oct  1 17:44 fileB.txt
[jesserussell@localhost ~]$ █
```

Owner permissions string: rw-
Group permissions string: rw-

Exercise 3: Step 14

1) Owner permissions string: rwx
2) Group permissions string: rwx
3) Other permissions string: rwx

Exercise 3: Step 16

```
bash: cmod: command not found...
Similar command is: 'kmod'
[jesserussell@localhost ~]$ chmod 000 fileB.txt
[jesserussell@localhost ~]$ ls -l fileB.txt
----------. 1 jesserussell jesserussell 0 Oct  1 17:44 fileB.txt
[jesserussell@localhost ~]$ █
```

1) Owner permissions string: ---
2) Group permissions string: ---
3) Other permissions string: ---

Exercise 3: Step 18

```
[jesserussell@localhost ~]$ chmod 644 fileB.txt
[jesserussell@localhost ~]$ ls -l fileb.txt
ls: cannot access fileb.txt: No such file or directory
[jesserussell@localhost ~]$ ls -l fileB.txt
-rw-r--r--. 1 jesserussell jesserussell 0 Oct  1 17:44 fileB.txt
[jesserussell@localhost ~]$ █
```

1) Owner permissions string: rw-
2) Group permissions string: r--
3) Other permissions string: r--