

Lab 8: Part 2 (Take-Home) Automating User Management

Nadia Kewden

3/25/25

INET 4031

Part 1 :

https://github.com/NadiaKewden4/inet_4031_adduser_script#

Part 2 :

Submission 2-

My reaction will be mainly full of confusion, without any specific documentation or instructions it will be very hard to understand what is going on or how to proceed with what I have been given. In this case figuring things, out will take longer than expected.

Part 3 :

Submission 3 –

1. Based on a quick scan of the code the fields are specific and if it doesn't display the given number of fields then it will skip it most likely.
2. A user can indicate in the file to skip that line of input if it detects “#” in the code. That symbol is used for commenting and not the code itself.

Part 4 :

Submission 4-

```
nadiakewden@ub24lab5:~/inet_4031_adduser_script$ vi create-users.py
```

```
nadiakewden@ub24lab5:~/inet_4031_adduser_script$ ls
```

```
create-users.input create-users.py README.md
```

```
nadiakewden@ub24lab5:~/inet_4031_adduser_script$ cat create-users.input
```

user04:pass04>Last04:First04:group01

user05:pass05>Last05:First05:group02

user06:pass06>Last06:First06:group01,group02

user07:pass07>Last07:First07:-

#user08:pass08>Last08:First08:group01

nadiakewden@ub24lab5:~/inet_4031_adduser_script\$ python3 ./create-users.py <
create-users.input

==> Creating account for user04...

==> Setting the password for user04...

==> Assigning user04 to the group01 group...

==> Creating account for user05...

==> Setting the password for user05...

==> Assigning user05 to the group02 group...

==> Creating account for user06...

==> Setting the password for user06...

==> Assigning user06 to the group01 group...

==> Assigning user06 to the group02 group...

==> Creating account for user07...

==> Setting the password for user07...

nadiakewden@ub24lab5:~/inet_4031_adduser_script\$

Submission 5 –

1. The purpose of the `#!/usr/bin/python3` in the file indicates that you should use python3 for the code to run successfully.

2. You could run the `create-users.py` as `sudo` but I believe that it will cause confusion and errors in the system if it's not direct with what the user is asking when using python.

3. The < is used because it explains that whatever is in input file is taken and used in the script.

4. The lines in the input file are “getting into” the python code for processing by the standard input used in the python code “for line in sys.stdin:” then the < symbol is used and this ensures the script is getting information straight from the file itself.

Part 5:

Submission 6 –

```
new password: Retype new password: passwd: password updated successfully
nadiakewden@ub24lab5:~/inet_4031_adduser_script$ grep user0 /etc/passwd
user01:x:1001:1001:Nadia Kewden,500,7637772882,,I like yellow:/home/user01:/bin/bash
user02:x:1002:1002:May Mun,20,,:/home/user02:/bin/bash
user04:x:1006:1006:First04 Last04,,:/home/user04:/bin/bash
user05:x:1007:1007:First05 Last05,,:/home/user05:/bin/bash
user06:x:1008:1008:First06 Last06,,:/home/user06:/bin/bash
user07:x:1009:1009:First07 Last07,,:/home/user07:/bin/bash
nadiakewden@ub24lab5:~/inet_4031_adduser_script$ grep user0 /etc/group
users:x:100:user01,user02,user04,user05,user06,user07
user01:x:1001:
user02:x:1002:
group1:x:1003:user01
group2:x:1004:user02
user04:x:1006:
user05:x:1007:
user06:x:1008:
user07:x:1009:
nadiakewden@ub24lab5:~/inet_4031_adduser_script$
```

Submission 7 –

The purpose of “grep” command used in step 5 looks for the “user0” and it shows the lines that have that specific user. This helps when looking or searching for a word.

Submission 9 –

The dry run, only displays the users that don’t exist and with a couple error trials that I did I kept receiving this input below??

```
[nadiakewden@ub24lab5:~/inet_4031_adduser_script$ python3 create-users2.py < create-users.input
Need to dry run? Type Y to dry run or N to run code normally: ==> Creating account for user05...
fatal: Only root may add a user or group to the system.
==> Setting the password for user05...
passwd: user 'user05' does not exist
==> Assigning user05 to the group02 group...
fatal: Only root may add a user or group to the system.
==> Creating account for user06...
fatal: Only root may add a user or group to the system.
==> Setting the password for user06...
passwd: user 'user06' does not exist
==> Assigning user06 to the group01 group...
==> Assigning user06 to the group02 group...
fatal: Only root may add a user or group to the system.
==> Creating account for user07...
fatal: Only root may add a user or group to the system.
==> Setting the password for user07...
passwd: user 'user07' does not exist
passwd: user 'user07' does not exist
nadiakewden@ub24lab5:~/inet_4031_adduser_script$ nano create-users2.py
```