Assignment 3: Managing Local Linux Users and Groups

1. Create a new group named consultants with a GID of 40000.

```
kw@is-temp:~$ sudo groupadd -g 40000 consultants
[sudo] password for kw:
kw@is-temp:~$ cat /etc/group |grep 40000
consultants:x:40000:
kw@is-temp:~$
```

2. Create three new users: djonasen, salves, and dtyson, set a password for each, and add each to the supplementary group consultants. Each user's primary group should be a user private group with the same name as the user.

```
kw@is-temp:~$ sudo useradd -G consultants djonasen
kw@is-temp:~$ sudo useradd -G consultants salves
kw@is-temp:~$ sudo useradd -G consultants dtyson
kw@is-temp:~$ sudo passwd djonasen
New password:
Retype new password:
passwd: password updated successfully
kw@is-temp:~$ sudo passwd salves
New password:
Retype new password:
passwd: password updated successfully
kw@is-temp:~$ sudo passwd dtyson
New password:
Retype new password:
passwd: password updated successfully
kw@is-temp:~$ tail /etc/passwd
messagebus:x:101:102::/nonexistent:/usr/sbin/nologin
systemd-resolve:x:992:992:systemd Resolver:/:/usr/sbin/nologin
pollinate:x:102:1::/var/cache/pollinate:/bin/false
polkitd:x:991:991:User for polkitd:/:/usr/sbin/nologin
usbmux:x:103:46:usbmux daemon,,,:/var/lib/usbmux:/usr/sbin/nologin
kw:x:1000:1000:kw:/home/kw:/bin/bash
sshd:x:104:65534::/run/sshd:/usr/sbin/nologin
djonasen:x:1001:1001::/home/djonasen:/bin/sh
salves:x:1002:1002::/home/salves:/bin/sh
dtyson:x:1003:1003::/home/dtyson:/bin/sh
kw@is-temp:~$ tail /etc/group
messagebus:x:102:
systemd-resolve:x:992:
_ssh:x:103:
polkitd:x:991:
kw:x:1000:
rdma:x:104:
consultants:x:40000:djonasen,salves,dtyson
djonasen:x:1001:
salves:x:1002:
dtyson:x:1003:
kw@is-temp:~$
```

3. Check each user to confirm the account exists and has the correct group memberships.

```
kw@is-temp:~$ id djonasen
uid=1001(djonasen) gid=1001(djonasen) groups=1001(djonasen),40000(consultants)
kw@is-temp:~$ id salves
uid=1002(salves) gid=1002(salves) groups=1002(salves),40000(consultants)
kw@is-temp:~$ id dtyson
uid=1003(dtyson) gid=1003(dtyson) groups=1003(dtyson),40000(consultants)
kw@is-temp:~$
```

4. This concludes this lab. Log out and stop your Amazon EC2 instance.