Assignment 5

1. What is a Bash script that creates a user named 'yourName' and adds them to the 'FamilyName' group, checking for existing user and group, and displaying relevant information for the user and group.

```
    chmod +x create_user_group.sh

    sudo ./create_user_group.sh
[sudo] password for aliaa:
    Creating group 'FamilyName'...
Group 'FamilyName' created successfully.
Creating user 'yourName'...
User 'yourName' created successfully and added to group 'FamilyName'.
==== User Information ====
    uid=1001(yourName) gid=1001(FamilyName) groups=1001(FamilyName)
    i==== Group Information ====
    FamilyName:x:1001:
Script execution completed successfully.
```

Section 2:

1. Create a supplementary (Secondary) group called pgroup with group ID of 30000.

```
took 3m35s
> sudo groupadd -g 30000 pgroup

getent group pgroup
pgroup:x:30000:
```

2. Lock any user created account so he can't log in.

```
> sudo usermod -L bittercup

> sudo grep bittercup /etc/shadow
bittercup:!$y$j9T$7Jg3bi64iCcLYnOn3QvTh/$kpgVxE/QjHGzOpH.En9Z6zys5XIQ1.adBISXyyixJo3:20091:0:99999:7:::
```

3. Delete user account.

```
> sudo userdel bittercup

> sudo userdel -r bittercup
userdel: user 'bittercup' does not exist

> id bittercup
id: 'bittercup': no such user
```

4. Delete group account.

```
> sudo groupdel pgroup

> getent group pgroup

> □
```

5. State the difference between adduser and useradd with examples shown.

Both are used to add user account in linux

Features	adduser	useradd
purpose	Higher-level, user friendly	low-level
Home Directory	Automatically creates a home directory (/home/username).	Does not create a home directory unless -m is specified.
Password	Prompts interactively to set a password.	Set separately in another command
Configuration	Uses /etc/adduser. conf.	Uses /etc/default/ useradd.
Ease of Use	Easier, interactive prompts.	More manual, requires options.

```
sudo adduser bittercup
Adding user `bittercup' ...
Adding new group `bittercup' (1002) ...
Adding new user `bittercup' (1002) with group `bittercup' ...
Creating home directory `/home/bittercup' ...
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 bittercup
        Full Name []:
        Room Number []:
        Work Phone []:
        Home Phone []:
        Other []:
Is the information correct? [Y/n] y

    took 54s

sudo useradd -m -s /bin/bash powerpuff
sudo passwd powerpuff
New password:
BAD PASSWORD: The password is shorter than 8 characters
Retype new password:
passwd: password updated successfully
```