

Write a bash script that create 20 users from a csv file with default password.

10 users to sys-admin group

5 users to data-admin group

5 users to database group

NO 1

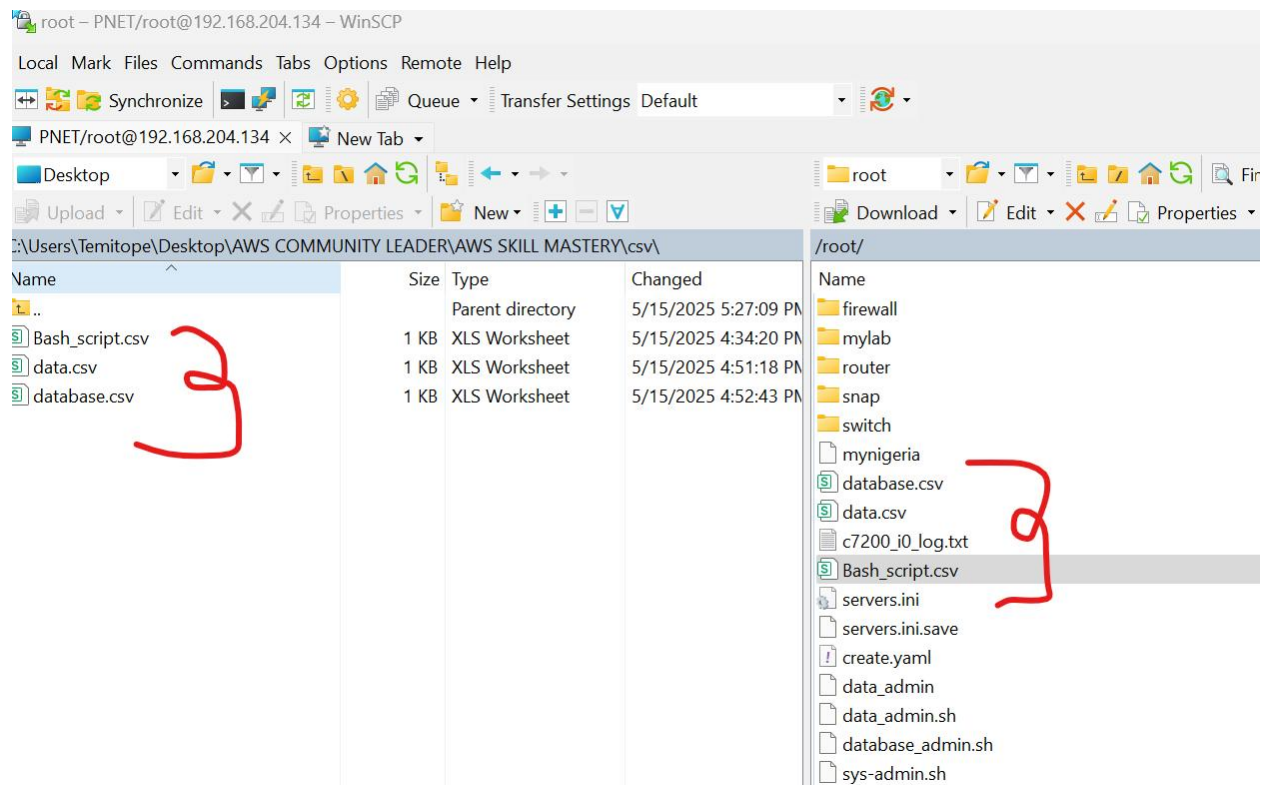
**20 users to sys-admin group**

FOR SYS-ADMIN GROUP

### STEP 1. CREATE "Bash\_script.csv" FILE

Create a csv file named "Bash\_script.csv" on window with 20 users.

Copy the file from windows to Ubuntu server using winscp



## STEP 2. CONFIRM THE CONTENT OF THE "Bash\_script.csv" FILE ON UBUNTU SERVER

root@pnetlab:~# cat Bash\_script.csv

```
root@pnetlab:~# cat Bash_script.csv
David
Paul
Smart
Ade
Smith
Godson
Ayomide
Mercy
Tolu
Yemi
Stephen
Timi
Gibson
Adedayo
Samson
Samuel
Gift
Faith
Iyanu
```

## STEP 3. CREATE A BASH SCRIPT TO CREATE 20 USERS.

root@pnetlab:~# nano sys-admin.sh

```
#!/bin/bash
```

```
GROUP="sys-admin"
```

```
PASSWORD="admin"
```

```
CSV_FILE="/root/Bash_script.csv"
```

```
# Ensure group exists
```

```
if ! getent group "$GROUP" > /dev/null; then
```

```
    sudo groupadd "$GROUP"
```

```
fi
```

```
# Convert Windows line endings to Unix (remove \r if present)
dos2unix "$CSV_FILE" 2>/dev/null || sed -i 's/\r$//' "$CSV_FILE"

# Read usernames from the cleaned CSV file
while IFS= read -r USERNAME; do

    # Skip empty lines
    [[ -z "$USERNAME" ]] && continue

    if ! getent passwd "$USERNAME" > /dev/null; then
        sudo useradd -m -G "$GROUP" -s /bin/bash "$USERNAME"
        echo "$USERNAME:$PASSWORD" | sudo chpasswd
        sudo passwd -x 10 "$USERNAME"
        echo "User $USERNAME created with default password: $PASSWORD"
    else
        echo "User $USERNAME already exists."
    fi
done < "$CSV_FILE"
```

**STEP 5. CHANGE THE BASHSCRIPT PERMISSION TO MAKE IT EXECUTABLE FILE.**

```
root@pnetlab:~# chmod 775 sys-admin.sh
```

**STEP 6. RUN THE BASH SCRIPT .**

```
root@pnetlab:~# ./sys-admin.sh
```

```
root@pnetlab:~# ./sys-admin.sh
passwd: password expiry information changed.
User David created with default password: admin
passwd: password expiry information changed.
User Paul created with default password: admin
passwd: password expiry information changed.
User Smart created with default password: admin
passwd: password expiry information changed.
User Ade created with default password: admin
passwd: password expiry information changed.
User Smith created with default password: admin
passwd: password expiry information changed.
User Godson created with default password: admin
passwd: password expiry information changed.
User Ayomide created with default password: admin
passwd: password expiry information changed.
User Mercy created with default password: admin
passwd: password expiry information changed.
User Tolu created with default password: admin
passwd: password expiry information changed.
User Yemi created with default password: admin
passwd: password expiry information changed.
User Stephen created with default password: admin
passwd: password expiry information changed.
User Timi created with default password: admin
passwd: password expiry information changed.
User Gibson created with default password: admin
passwd: password expiry information changed.
User Adedayo created with default password: admin
passwd: password expiry information changed.
```

#### STEP 7. VERIFY THE PASSWORD THAT WAS CREATED

```
root@pnetlab:~# cat /etc/passwd
```

```
Tope:x:32821:32821::/home/Tope:/bin/sh
tayo:x:32822:32822::/home/tayo:/bin/sh
david:x:32823:32824::/home/david:/bin/sh
ayomide:x:32824:32825::/home/ayomide:/bin/sh
tolulope:x:32825:32826::/home/tolulope:/bin/sh
David:x:32826:32828::/home/David:/bin/bash
Paul:x:32827:32829::/home/Paul:/bin/bash
Smart:x:32828:32830::/home/Smart:/bin/bash
Ade:x:32829:32831::/home/Ade:/bin/bash
Smith:x:32830:32832::/home/Smith:/bin/bash
Godson:x:32831:32833::/home/Godson:/bin/bash
Ayomide:x:32832:32834::/home/Ayomide:/bin/bash
Mercy:x:32833:32835::/home/Mercy:/bin/bash
Tolu:x:32834:32836::/home/Tolu:/bin/bash
Yemi:x:32835:32837::/home/Yemi:/bin/bash
Stephen:x:32836:32838::/home/Stephen:/bin/bash
Timi:x:32837:32839::/home/Timi:/bin/bash
Gibson:x:32838:32840::/home/Gibson:/bin/bash
Adedayo:x:32839:32841::/home/Adedayo:/bin/bash
Samson:x:32840:32842::/home/Samson:/bin/bash
Samuel:x:32841:32843::/home/Samuel:/bin/bash
Gift:x:32842:32844::/home/Gift:/bin/bash
Faith:x:32843:32845::/home/Faith:/bin/bash
Iyanu:x:32844:32846::/home/Iyanu:/bin/bash
Daniel:x:32845:32848::/home/Daniel:/bin/bash
James:x:32846:32849::/home/James:/bin/bash
Jacob:x:32847:32850::/home/Jacob:/bin/bash
Ayodele:x:32848:32851::/home/Ayodele:/bin/bash
Dare:x:32849:32853::/home/Dare:/bin/bash
Ezekiel:x:32850:32854::/home/Ezekiel:/bin/bash
Enoch:x:32851:32855::/home/Enoch:/bin/bash
Darwin:x:32852:32856::/home/Darwin:/bin/bash
Newton:x:32853:32857::/home/Newton:/bin/bash
```

NO 2

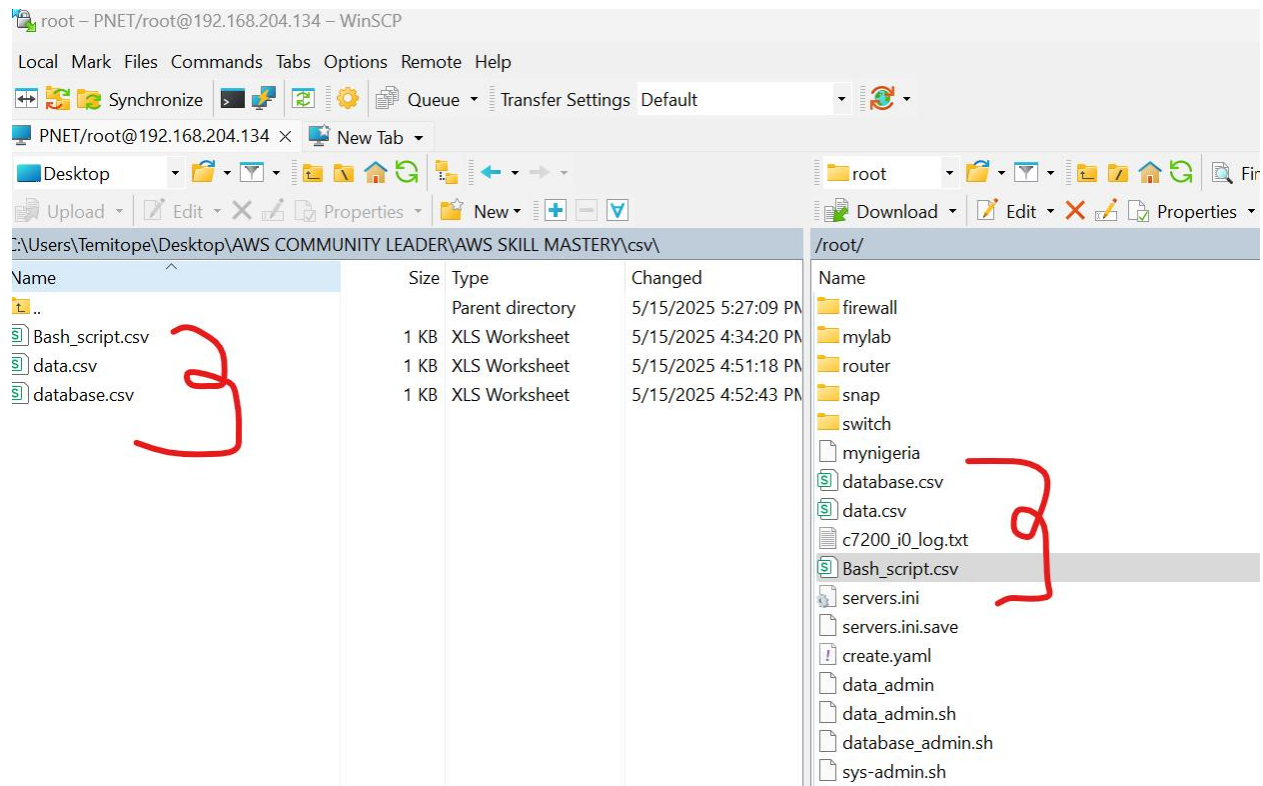
## 5 users to data-admin group

FOR DATA-ADMIN GROUP

### STEP 1. CREATE "data.csv" FILE

Create a csv file named "data" on window with 5 users.

Copy the file from windows to Ubuntu server using winscp



## STEP 2. CONFIRM THE CONTENT OF THE “data.csv” FILE ON UBUNTU SERVER

root@pnetlab:~# cat data.csv

```
root@pnetlab:~# cat data.csv
Daniel
Stephen
James
Jacob
Ayodele
```

## STEP 3. CREATE A BASH SCRIPT TO CREATE 5 USERS.

root@pnetlab:~# nano data\_admin.sh

```
#!/bin/bash
```

```
GROUP="data_admin"
```

```
PASSWORD="admin"
```

```
CSV_FILE="data.csv"
```

```
# Ensure group exists
```

```
if ! getent group "$GROUP" > /dev/null; then
```

```
    sudo groupadd "$GROUP"
```

```
fi
```

```
# Convert Windows line endings to Unix (remove \r if present)
```

```
dos2unix "$CSV_FILE" 2>/dev/null || sed -i 's/\r$//' "$CSV_FILE"
```

```
# Read usernames from the cleaned CSV file
```

```
while IFS= read -r USERNAME; do
```

```
    # Skip empty lines
```

```
    [[ -z "$USERNAME" ]] && continue
```

```
    if ! getent passwd "$USERNAME" > /dev/null; then
```

```
        sudo useradd -m -G "$GROUP" -s /bin/bash "$USERNAME"
```

```
        echo "$USERNAME:$PASSWORD" | sudo chpasswd
```

```
        sudo passwd -x 10 "$USERNAME"
```

```
        echo "User $USERNAME created with default password: $PASSWORD"
```

```
    else
```

```
        echo "User $USERNAME already exists."
```

```
    fi
```

```
done < "$CSV_FILE"
```

**STEP 4. CHANGE THE BASHSCRIPT PERMISSION TO MAKE IT EXECUTABLE FILE.**

```
root@pnetlab:~# chmod 775 database_admin.sh
```



#### STEP 5. RUN THE BASH SCRIPT.

```
root@pnetlab:~# ./data_admin.sh
```

```
root@pnetlab:~# chmod 775 data_admin.sh
root@pnetlab:~# ./data_admin.sh
passwd: password expiry information changed.
User Daniel created with default password: admin
User Stephen already exists.
passwd: password expiry information changed.
User James created with default password: admin
passwd: password expiry information changed.
User Jacob created with default password: admin
passwd: password expiry information changed.
User Ayodele created with default password: admin
root@pnetlab:~# nano database_admin.sh
root@pnetlab:~# nano database_admin.sh
root@pnetlab:~# chmod 775 database_admin.sh
root@pnetlab:~# ./database_admin.sh
passwd: password expiry information changed.
User Dare created with default password: admin
passwd: password expiry information changed.
User Ezekiel created with default password: admin
passwd: password expiry information changed.
User Enoch created with default password: admin
passwd: password expiry information changed.
User Darwin created with default password: admin
passwd: password expiry information changed.
User Newton created with default password: admin
```

#### STEP 6. VERIFY THE PASSWORD THAT WAS CREATED

```
root@pnetlab:~# cat /etc/passwd
```



```
Tope:x:32821:32821::/home/Tope:/bin/sh
tayo:x:32822:32822::/home/tayo:/bin/sh
david:x:32823:32824::/home/david:/bin/sh
ayomide:x:32824:32825::/home/ayomide:/bin/sh
tolulope:x:32825:32826::/home/tolulope:/bin/sh
David:x:32826:32828::/home/David:/bin/bash
Paul:x:32827:32829::/home/Paul:/bin/bash
Smart:x:32828:32830::/home/Smart:/bin/bash
Ade:x:32829:32831::/home/Ade:/bin/bash
Smith:x:32830:32832::/home/Smith:/bin/bash
Godson:x:32831:32833::/home/Godson:/bin/bash
Ayomide:x:32832:32834::/home/Ayomide:/bin/bash
Mercy:x:32833:32835::/home/Mercy:/bin/bash
Tolu:x:32834:32836::/home/Tolu:/bin/bash
Yemi:x:32835:32837::/home/Yemi:/bin/bash
Stephen:x:32836:32838::/home/Stephen:/bin/bash
Timi:x:32837:32839::/home/Timi:/bin/bash
Gibson:x:32838:32840::/home/Gibson:/bin/bash
Adedayo:x:32839:32841::/home/Adedayo:/bin/bash
Samson:x:32840:32842::/home/Samson:/bin/bash
Samuel:x:32841:32843::/home/Samuel:/bin/bash
Gift:x:32842:32844::/home/Gift:/bin/bash
Faith:x:32843:32845::/home/Faith:/bin/bash
Iyanu:x:32844:32846::/home/Iyanu:/bin/bash
Daniel:x:32845:32848::/home/Daniel:/bin/bash
James:x:32846:32849::/home/James:/bin/bash
Jacob:x:32847:32850::/home/Jacob:/bin/bash
Ayodele:x:32848:32851::/home/Ayodele:/bin/bash
Dare:x:32849:32853::/home/Dare:/bin/bash
Ezekiel:x:32850:32854::/home/Ezekiel:/bin/bash
Enoch:x:32851:32855::/home/Enoch:/bin/bash
Darwin:x:32852:32856::/home/Darwin:/bin/bash
Newton:x:32853:32857::/home/Newton:/bin/bash
```

### NO 3

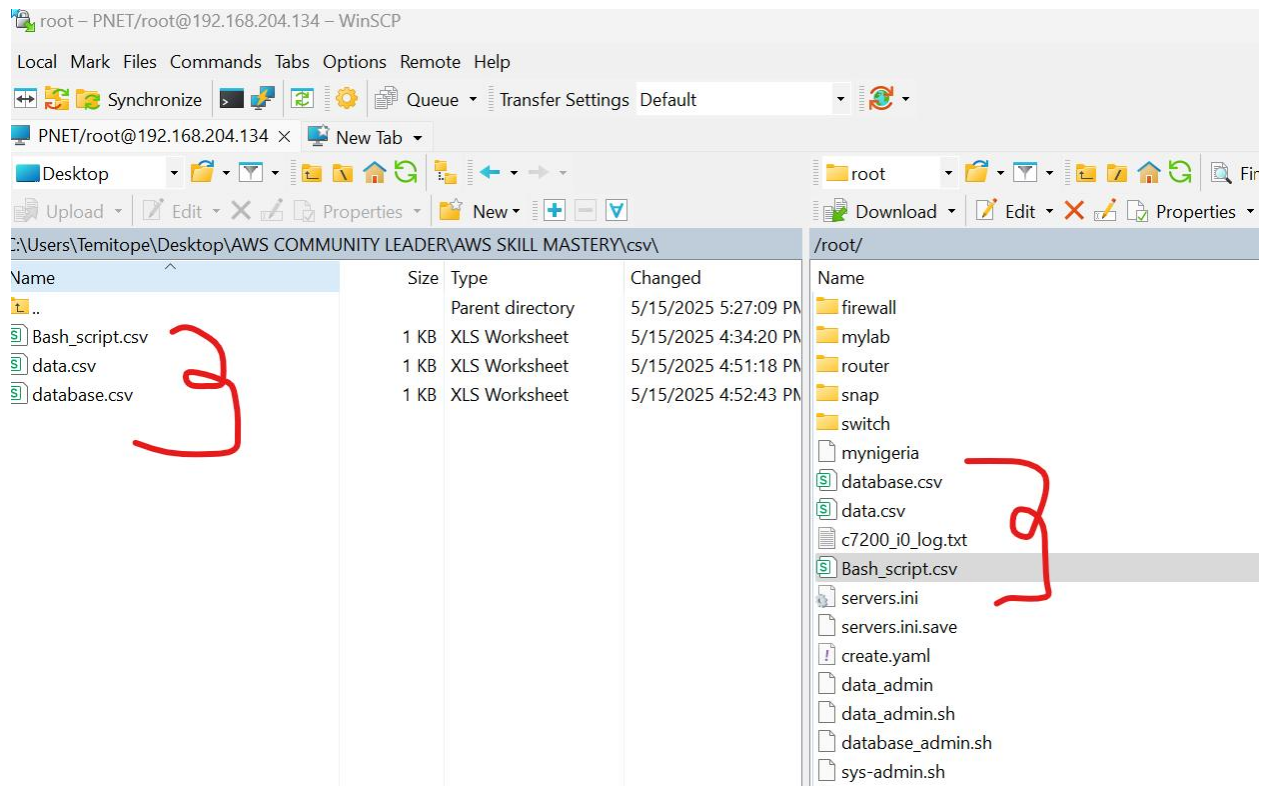
#### 5 users to database-admin group

FOR DATA-ADMIN GROUP

#### STEP 1. CREATE "database.csv" FILE

Create a csv file named "data" on window with 5 users.

Copy the file from windows to Ubuntu server using winscp



## STEP 2. CONFIRM THE CONTENT OF THE “database.csv” FILE ON UBUNTU SERVER

```
root@pnetlab:~# cat database.csv
```

```
root@pnetlab:~# cat data.csv
Daniel
Stephen
James
Jacob
Ayodele
```

## STEP 3. CREATE A BASH SCRIPT TO CREATE 5 USERS.

```
root@pnetlab:~# nano database_admin.sh
```

```
#!/bin/bash
```

```
GROUP="database_admin"
```

```
PASSWORD="admin"
```

```
CSV_FILE="database.csv"
```

```
# Ensure group exists
```

```
if ! getent group "$GROUP" > /dev/null; then
```

```
    sudo groupadd "$GROUP"
```

```
fi
```

```
# Convert Windows line endings to Unix (remove \r if present)
```

```
dos2unix "$CSV_FILE" 2>/dev/null || sed -i 's/\r$//' "$CSV_FILE"
```

```
# Read usernames from the cleaned CSV file
```

```
while IFS= read -r USERNAME; do
```

```
    # Skip empty lines
```

```
    [[ -z "$USERNAME" ]] && continue
```

```
    if ! getent passwd "$USERNAME" > /dev/null; then
```

```
        sudo useradd -m -G "$GROUP" -s /bin/bash "$USERNAME"
```

```
        echo "$USERNAME:$PASSWORD" | sudo chpasswd
```

```
        sudo passwd -x 10 "$USERNAME"
```

```
        echo "User $USERNAME created with default password: $PASSWORD"
```

```
    else
```

```
        echo "User $USERNAME already exists."
```

```
    fi
```

```
done < "$CSV_FILE"
```

**STEP 5. CHANGE THE BASHSCRIPT PERMISSION TO MAKE IT EXECUTABLE FILE.**

```
root@pnetlab:~# chmod 775 database_admin.sh
```

## STEP 5. RUN THE BASH SCRIPT.

```
root@pnetlab:~# ./database_admin.sh
```

```
root@pnetlab:~# chmod 775 database_admin.sh
root@pnetlab:~# ./data_admin.sh
passwd: password expiry information changed.
User Daniel created with default password: admin
User Stephen already exists.
passwd: password expiry information changed.
User James created with default password: admin
passwd: password expiry information changed.
User Jacob created with default password: admin
passwd: password expiry information changed.
User Ayodele created with default password: admin
root@pnetlab:~# nano database_admin.sh
root@pnetlab:~# nano database_admin.sh
root@pnetlab:~# chmod 775 database_admin.sh
root@pnetlab:~# ./database_admin.sh
passwd: password expiry information changed.
User Dare created with default password: admin
passwd: password expiry information changed.
User Ezekiel created with default password: admin
passwd: password expiry information changed.
User Enoch created with default password: admin
passwd: password expiry information changed.
User Darwin created with default password: admin
passwd: password expiry information changed.
User Newton created with default password: admin
```

## STEP 6. VERIFY THE PASSWORD THAT WAS CREATED

```
root@pnetlab:~# cat /etc/passwd
```

```
Tope:x:32821:32821::/home/Tope:/bin/sh
tayo:x:32822:32822::/home/tayo:/bin/sh
david:x:32823:32824::/home/david:/bin/sh
ayomide:x:32824:32825::/home/ayomide:/bin/sh
tolulope:x:32825:32826::/home/tolulope:/bin/sh
David:x:32826:32828::/home/David:/bin/bash
Paul:x:32827:32829::/home/Paul:/bin/bash
Smart:x:32828:32830::/home/Smart:/bin/bash
Ade:x:32829:32831::/home/Ade:/bin/bash
Smith:x:32830:32832::/home/Smith:/bin/bash
Godson:x:32831:32833::/home/Godson:/bin/bash
Ayomide:x:32832:32834::/home/Ayomide:/bin/bash
Mercy:x:32833:32835::/home/Mercy:/bin/bash
Tolu:x:32834:32836::/home/Tolu:/bin/bash
Yemi:x:32835:32837::/home/Yemi:/bin/bash
Stephen:x:32836:32838::/home/Stephen:/bin/bash
Timi:x:32837:32839::/home/Timi:/bin/bash
Gibson:x:32838:32840::/home/Gibson:/bin/bash
Adedayo:x:32839:32841::/home/Adedayo:/bin/bash
Samson:x:32840:32842::/home/Samson:/bin/bash
Samuel:x:32841:32843::/home/Samuel:/bin/bash
Gift:x:32842:32844::/home/Gift:/bin/bash
Faith:x:32843:32845::/home/Faith:/bin/bash
Iyanu:x:32844:32846::/home/Iyanu:/bin/bash
Daniel:x:32845:32848::/home/Daniel:/bin/bash
James:x:32846:32849::/home/James:/bin/bash
Jacob:x:32847:32850::/home/Jacob:/bin/bash
Ayodele:x:32848:32851::/home/Ayodele:/bin/bash
Dare:x:32849:32853::/home/Dare:/bin/bash
Ezekiel:x:32850:32854::/home/Ezekiel:/bin/bash
Enoch:x:32851:32855::/home/Enoch:/bin/bash
Darwin:x:32852:32856::/home/Darwin:/bin/bash
Newton:x:32853:32857::/home/Newton:/bin/bash
```