**AUXILIARY PROJECT 1**

**STEP 1**

I created and connected to my EC2 instance from my Ubuntu terminal

**STEP 2**

I created my onboard.sh file using vim, and i saved it. Then i moved the onboard.sh file from my local machine to my EC2 instance

**STEP 3**

I made a directory named “shell” and I changed into the “shell” directory just created using “**mkdir shell && cd shell”**

**STEP 4**

I moved the onboard.sh file inside the shell folder i created and i cd inside the shell folder

**STEP 5**

I created and opened an excel file named names.csv and I added some user’s first name inside using vim editor: **“touch names.csv && vi names.csv” – “**I pressed **I** to allow writing in the vim editor and I added the names, I presses “**esc”** button on my keyboard and then “**:wq!”** to write into the .csv file and quit**.**

**STEP 6**

I created a .sh file in my pwd using “**vi onboard.sh”,** I also created a public rsa file named id\_rsa.pub and a private calle “id\_rsa” using the “**vi id\_rsa.pub” and “id\_rsa”. I copied and pasted the given public and private keys inside”.** Also, to give executable permission for onboard.sh i used **“sudo chmod +x onboard.sh”.** I created a new group to add the various users using “**sudo groupadd developers”.** The i ran the onboard.sh file using **./onboard.sh**

**STEP 7**

I used **sudo su** to switch user so that I (as an admin) can onboard users**.** In my root, i used **/home/ubuntu/shell# ./onboard.sh**  to onboard the users.

**STEP 8**

To verify and check the list of users in my home directory using **ls -l /home/**

**STEP 9**

To check if the developers group has been created, i used **getent group developers,** then i used **cat /etc/passwd** to get a list of my users created with the group ID.

Then, I used the awk command to filter the results so I would see the users attached to a group.

**STEP 10**

I checked the permission of my pem key and i changed it using  **sudo chmod 600 aux-proj.pem**

**STEP 11**

After the modification, i was able to connect to the instance using one of the users i just created

**STEP 12**

I checked some of the users to see if they have sudo access. and I used  **ls -la** to check if the .ssh file is in the home folder for the current user (it was there). then i used **ls -la .ssh/** to check if the authorized keys are in the ssh folder(it was present) and after using **cat .ssh/authorized\_keys** i could see the private key file.