

Question 5

Step 1 :

Create two EC2 instance in the same subnet and should have same security group.

Step 2 :

Open the ports between them so one instance can ssh into another instance.

Step 3 :

ssh into the instance through which you want to enter into another instance.

```
ssh -i "ketavbhatt-PE.pem"
```

```
ubuntu@ec2-100-24-55-68.compute-1.amazonaws.com
```

Step 4 :

Run the following command to generate new RSA key

```
ssh-keygen -t rsa -N "" -f /home/ubuntu/.ssh/id_rsa
```

Step 5:

Copy your private AWS key as ~/.ssh/my.key

Step 6 :

Change permission of my.key to 600

```
chmod 600 .ssh/my.key
```

Step 7 :

Copy the public key to the instance you wish to connect to passwordless

```
cat ~/.ssh/id_rsa.pub | ssh -i ~/.ssh/my.key ubuntu@172.31.85.251 "cat >>
~/.ssh/authorized_keys"
```

Step 8 :

If you test the passwordless ssh to the other machine, it should work.

```
ssh 172.31.85.251
```