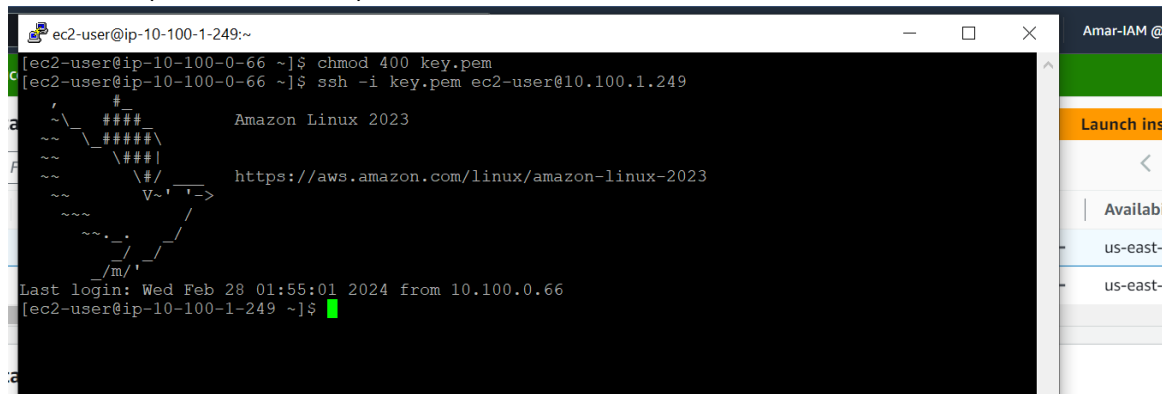# Exercise2
Accessing Private EC2 through Public EC2

1. Login to your IAM user
2. This exercise is an extension of Exercise1.
3. Create a private subnet
   a. Give any name, choose your VPC, select any AZ, subnet CIDR accordingly (eg 10.100.1.0/24)
4. Create route table for this subnet
   a. Give any name, choose your VPC
5. Associate the Route Table with this subnet
   a. Select your route table, go to Subnet Association (the second tab), edit, choose your subnet
6. Launch EC2
   a. Keep the default setting and make the following changes:
      i. Use the same key pair
      ii. Under Network Settings, select your VPC and the subnet
      iii. Create SG: Select Custom for Source Type, your VPC CIDR (eg. 10.100.0.0/16) for Source
         • Add a SG rule for ping: *All ICMP for IPv4* for Type, Custom for Source type, your VPC CIDR for Source
7. Connect public EC2 over SSH
8. Enter command: vi key.pem (you can give any name but it should have .pem extension), press i to go to insert mode, copy paste all the .pem content from your PC to this file and save by pressing ESC and typing :wq
9. Change the file permissions: chmod 400 key.pem
10. Connect to the private EC2 by giving the command: ssh -i key.pem ec2-user@<private EC2's IP address>
11. Upload the screenshot that shows your **IAM user name** and the EC2 welcome page that has the two commands (chmod and ssh -i) as shown below

12. Can you ping google.com from your private EC2 instance?
13. **Terminate both of your EC2 instances**

Sources:
https://www.awswithchetan.com/