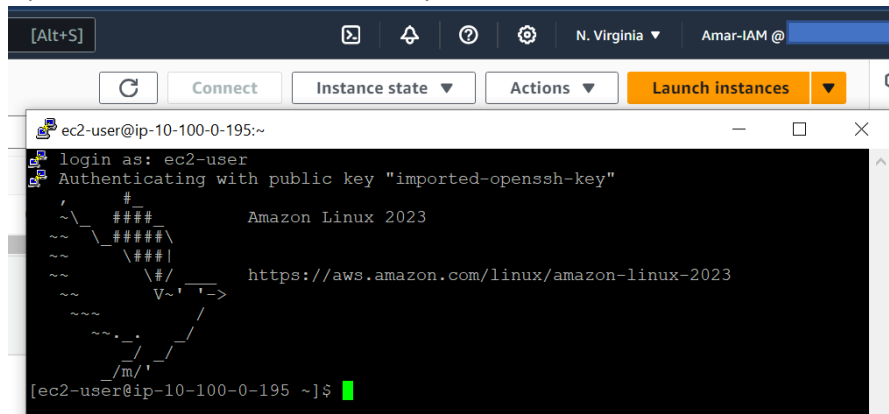**Exercise1**
Accessing EC2 through SSH

1. Login to your IAM user
2. Create VPC
   a. Select VPC Only, give any name and a private CIDR range (eg 10.100.0.0/16)
3. Create Internet Gateway (IGW)
   a. Give any name
4. Attach IGW to VPC
   a. Select the created IGW, click Actions, Attach to VPC, and then select your VPC
5. Create Subnet
   a. Give any name, choose your VPC, select any AZ, subnet accordingly (eg 10.100.0.0/24)
6. Create Public Route Table
   a. Give any name, choose your VPC
   b. Add a new route: Click Edit routes, then click Add route. Select 0.0.0.0/0 for destination, IGW and then your IGW from the drop down list for target.
7. Associate the Route Table with Subnet
   a. Select your route table, go to Subnet Association (the second tab), edit, choose your subnet
   b. Make the subnet public: under Actions, choose Edit subnet settings, check Auto assign IP setting
8. Launch EC2
   a. Keep the default setting and make the following changes:
      i. Create new key pair (if you do not have any) with any name
      ii. Under Network Settings, select your VPC
      iii. Create SG (give any name, keep the default values)
9. Download putty (https://www.putty.org/) and puttygen (https://www.puttygen.com/)
10. Convert .pem to .ppk using puttygen
    a. Press Load, select "All files" to make your .pem file visible, choose your .pem file, press OK on the pop up window, press "save private key", click "Yes" on the popup window, give a file name (.ppk will be automatically added)
11. Connect EC2 over SSH
    a. Open putty: Enter the public IP address of your EC2 instance for Host Name
    b. Expand SSH on the left panel, then expand Auth, and then select Credentials
    c. For private key, browse and select the .ppk file, Press Open and select Accept
    d. Login as ec2-user
12. Upload the screenshot that shows your IAM user name and the EC2 welcome page as shown below

13. **Terminate your EC2 instance**

Sources:
https://www.awswithchetan.com/
https://www.puttygen.com/convert-pem-to-ppk