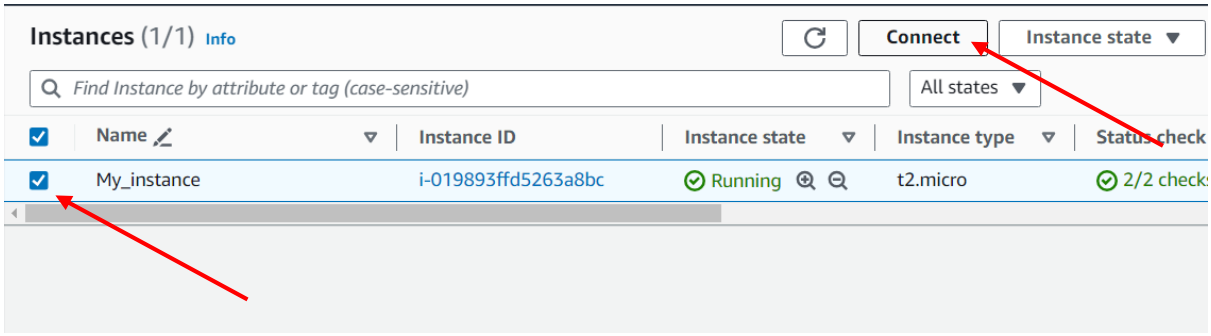
Various Methods to connect to an EC2 Instance are below:

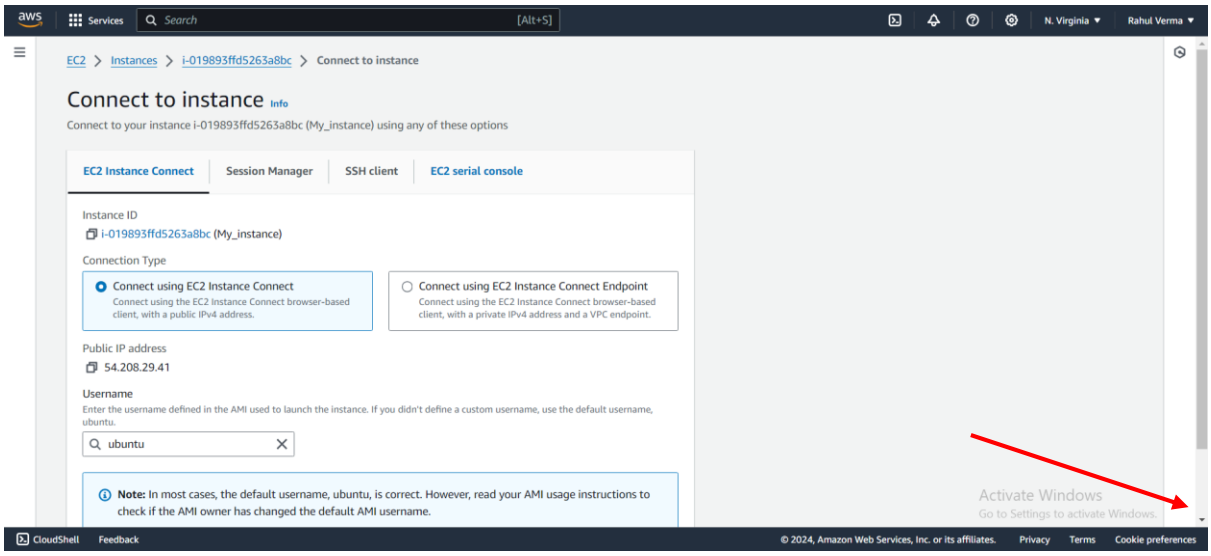
1. Using AWS Console
2. Using CMD Prompt or windows powershell
3. Using MobaXterm and putty software

Now let’s connect to our EC2 Instance

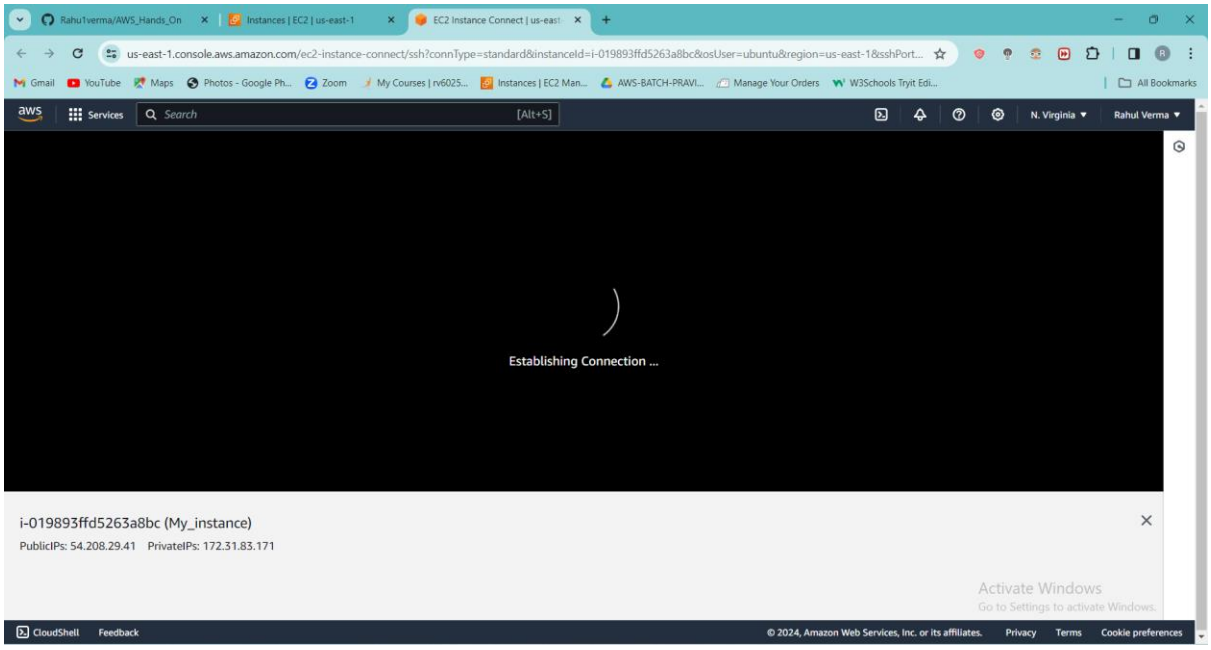
Method 1- Just select your instance and click on Connect button



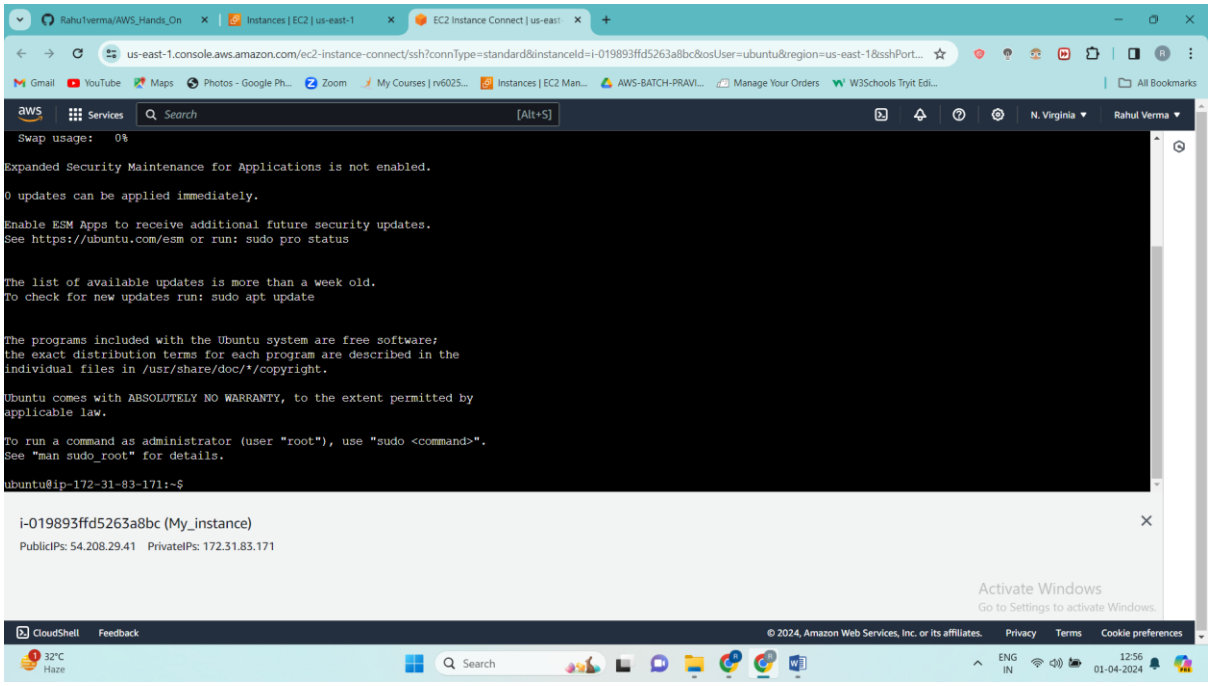
Now scroll down and click on Connect button



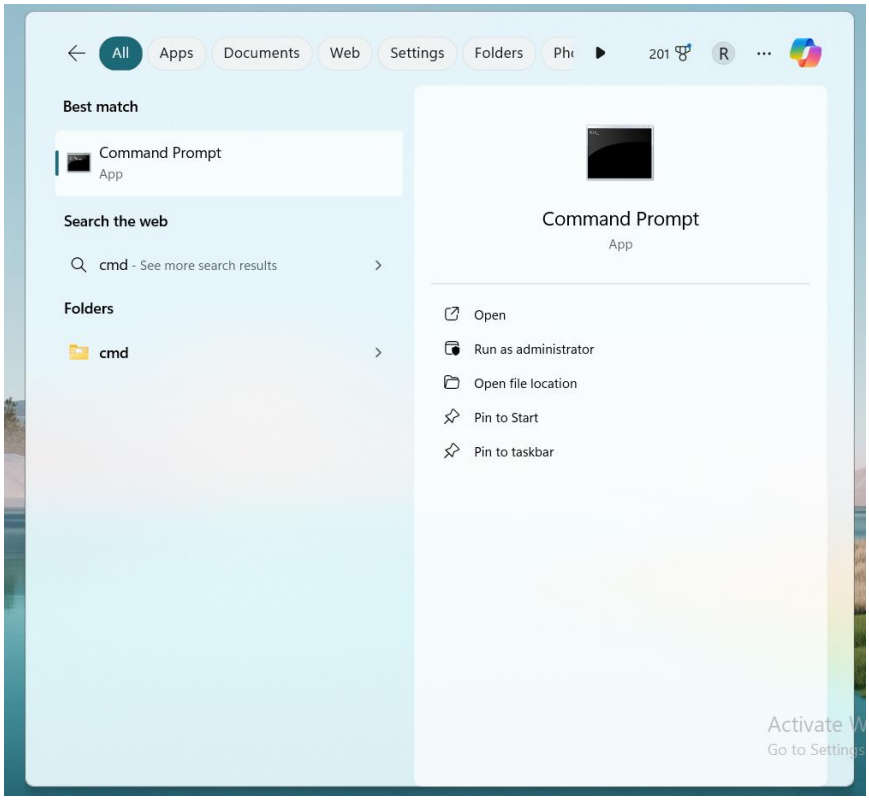
It’s going to take few seconds



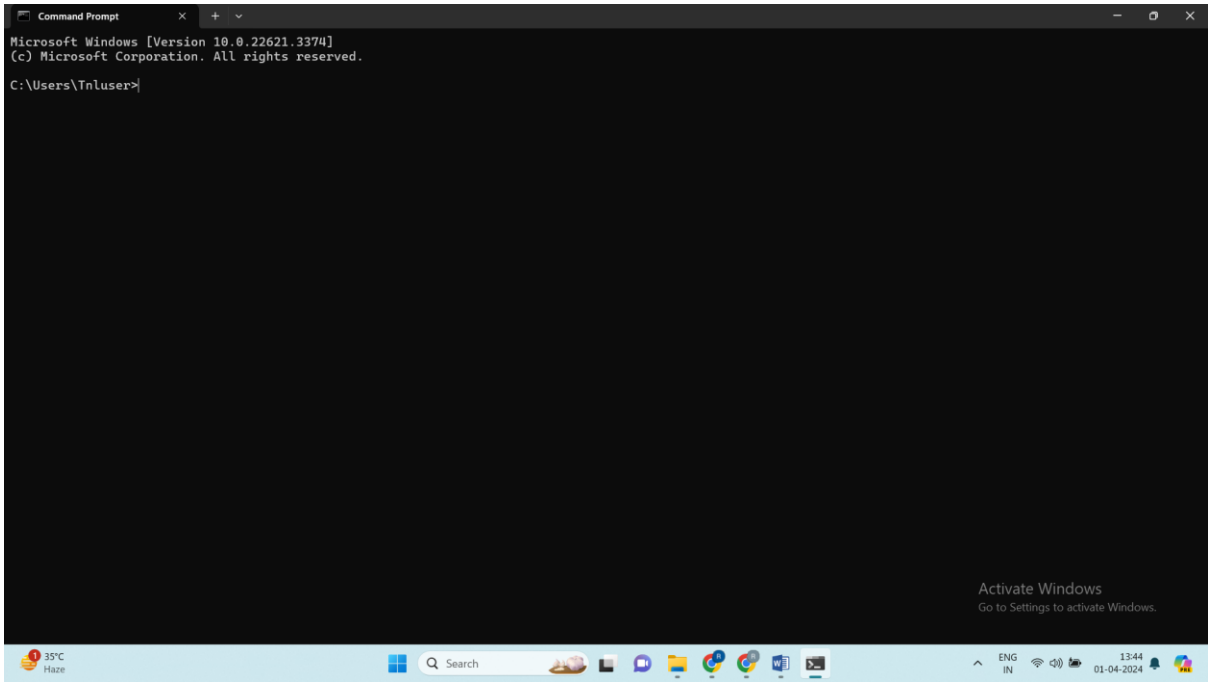
And now your are connected to your instance



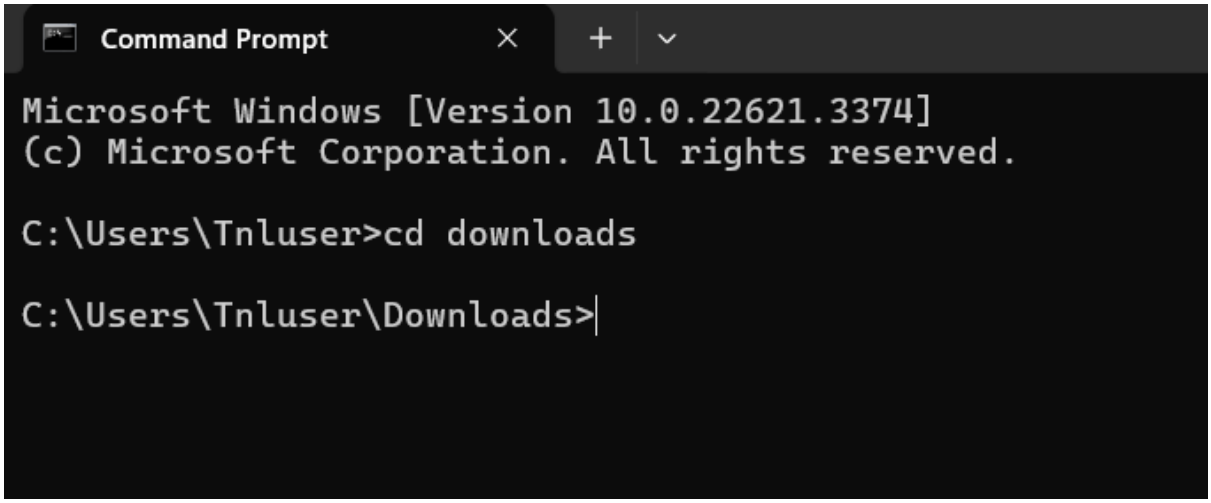
Method 2: we can use CMD prompt or Windows power shell to connect our instance. Steps are same for both.



So first we have to give path where our public key is downloaded



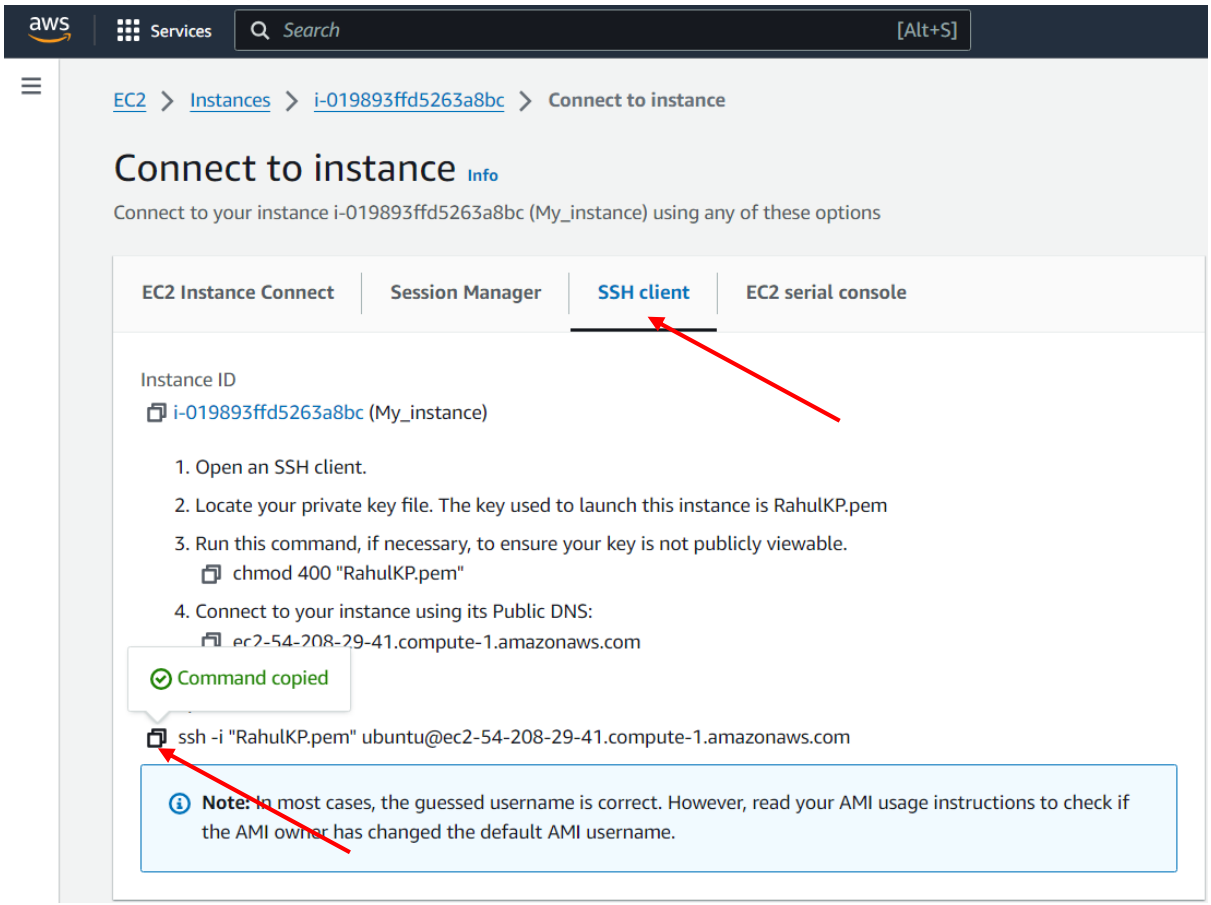
Just write- **cd downloads**



Now just type- **dir** **(it will show you all the items in your downloads)**
And you can see our file is also there name as **RahulKP.pem**

```
30-01-2024  12:34            31,764 payslip_tax_12_2023 (2).pdf
30-01-2024  12:23            31,762 payslip_tax_12_2023.pdf
11-02-2024  21:03            31,756 payslip_tax_1_2024.pdf
27-03-2024  18:22    <DIR>          Portfolio
27-03-2024  18:19    <DIR>          Portfolio-Website-Template-main
27-03-2024  18:06         8,196,612 Portfolio-Website-Template-main.zip
16-02-2024  12:05           157,282 Project-1---Deploying-A-Multi-Tier-Websit
01-04-2024  12:58    <DIR>          Projects
28-03-2024  18:02             1,674 RahulKP.pem
28-02-2024  12:19             2,757 SNS-Payload-Based-Filtering-SAM.template
28-02-2024  12:19             2,245 SNS-Subscription-Attributes-Tutorial-Clou
28-02-2024  12:19             6,806 SNS-VPCE-Tutorial-CloudFormation.template
21-03-2024  13:25         1,042,444 ticketIXITRS288694297146556.pdf
21-03-2024  13:22         1,042,412 ticketIXITRS288757078521943.pdf
```

And now go to your AWS console
Select your instance
Click on connect
Click on SSH client
And now copy the command



Paste that command in your cmd prompt or power shell whichever you are using and press enter button

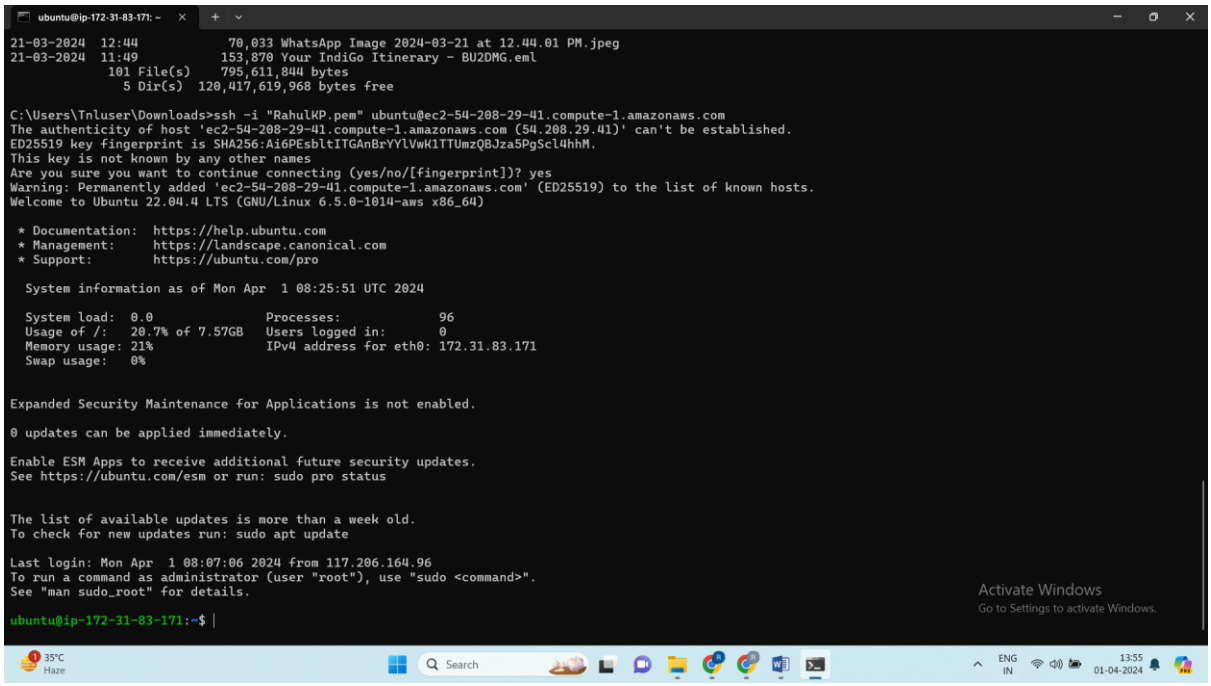
```
21-03-2024  12:27           145,485 WhatsApp Image 2024-03-21 at 12.23.48 PM.jpeg
21-03-2024  12:27           142,982 WhatsApp Image 2024-03-21 at 12.23.49 PM (1).jpeg
21-03-2024  12:27           208,031 WhatsApp Image 2024-03-21 at 12.23.49 PM.jpeg
21-03-2024  12:32           173,882 WhatsApp Image 2024-03-21 at 12.32.47 PM.jpeg
21-03-2024  12:44            70,033 WhatsApp Image 2024-03-21 at 12.44.01 PM.jpeg
21-03-2024  11:49           153,870 Your IndiGo Itinerary - BU2DMG.eml
             101 File(s)    795,611,844 bytes
               5 Dir(s)  120,417,619,968 bytes free

C:\Users\Tnluser\Downloads>ssh -i "RahulKP.pem" ubuntu@ec2-54-208-29-41.compute-1.amazonaws.com
```

Write- **yes**

```
C:\Users\Tnluser\Downloads>ssh -i "RahulKP.pem" ubuntu@ec2-54-208-29-41.compute-1.amazonaws.com
The authenticity of host 'ec2-54-208-29-41.compute-1.amazonaws.com (54.208.29.41)' can't be established.
ED25519 key fingerprint is SHA256:Ai6PEsbltITGAnBrYYlVwK1TTUmzQBJza5PgScl4hhM.
This key is not known by any other names
Are you sure you want to continue connecting (yes/no/[fingerprint])? yes
```

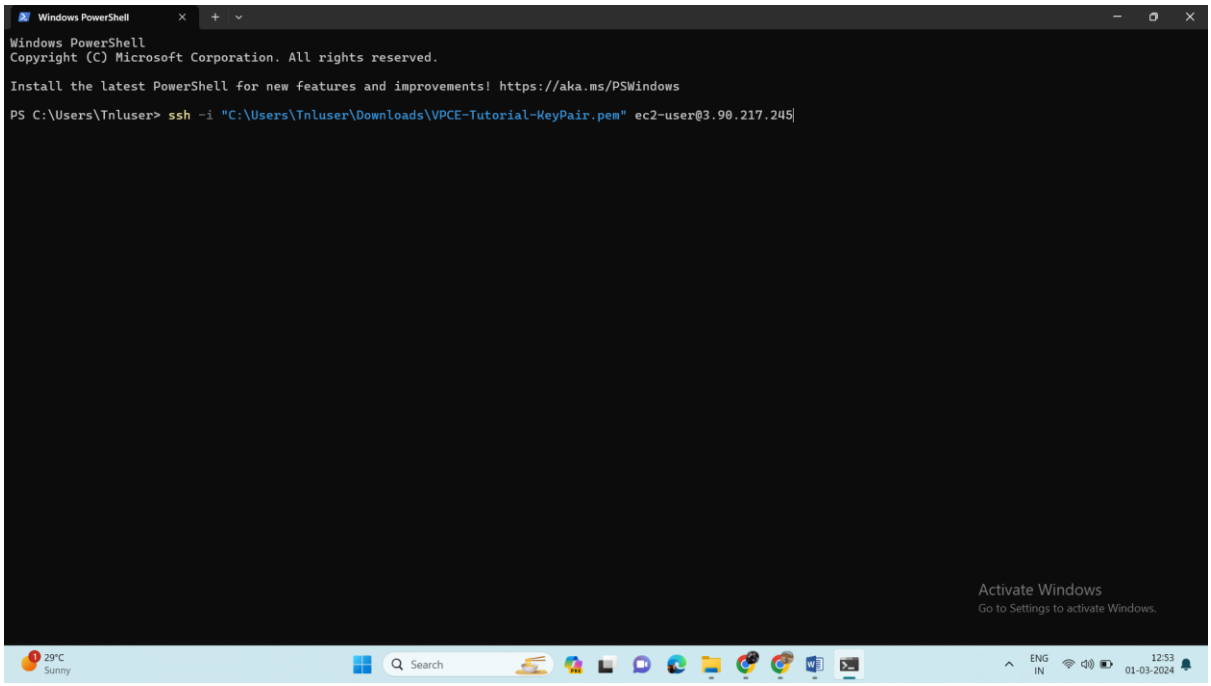
And you are connected to your instance now



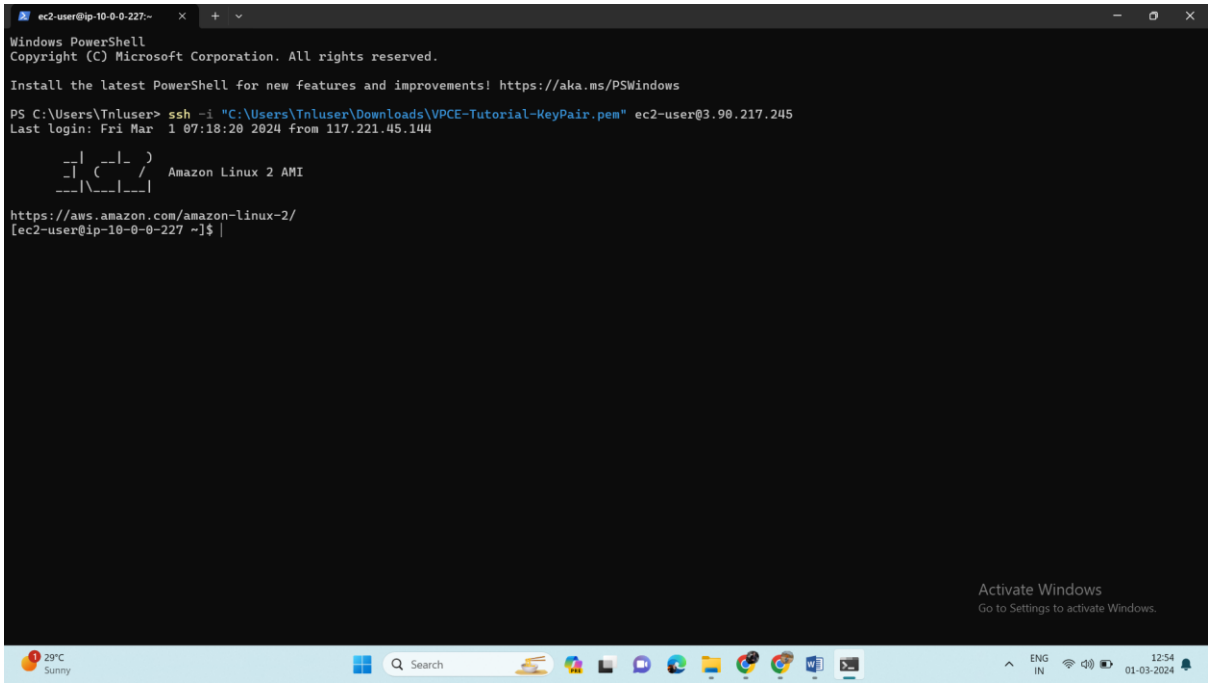
Or For Windows PowerShell

We are using cmd

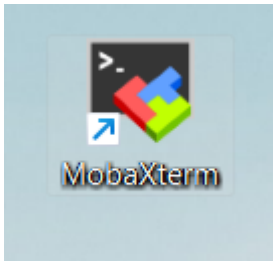
ssh –i “C:\Users\Tnluser\Downloads\VPCE-Tutorial-KeyPair.Pem” ec2-user@(instance ip)



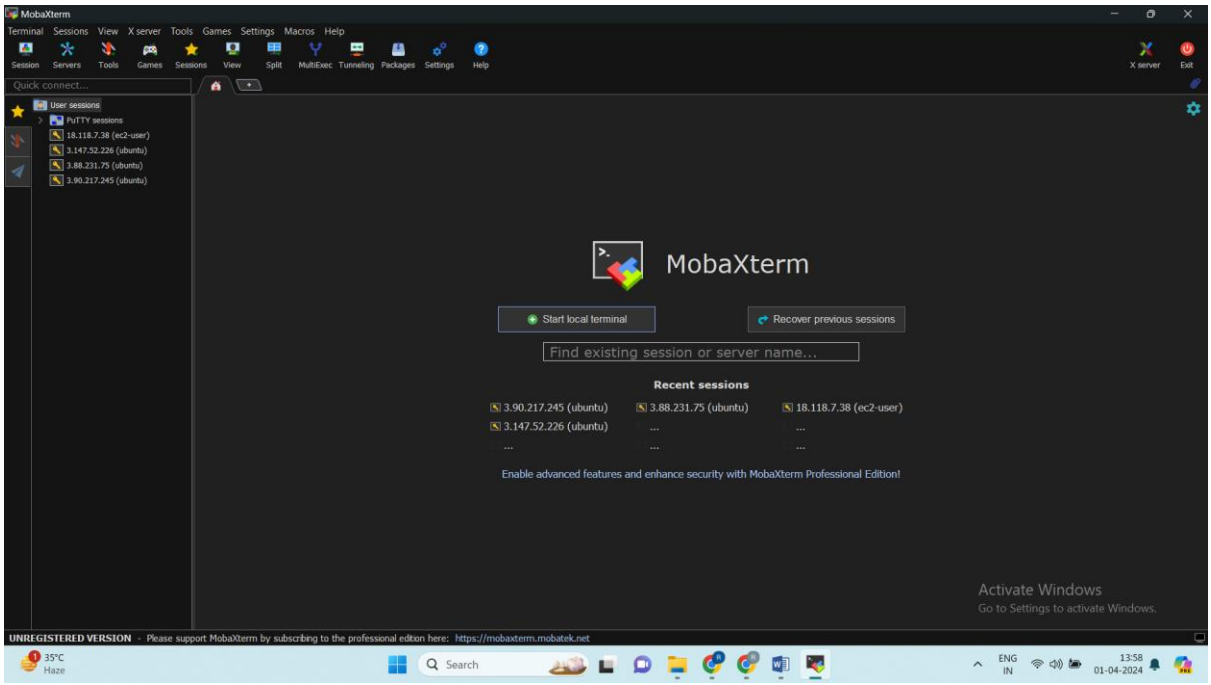
We have successfully logged in



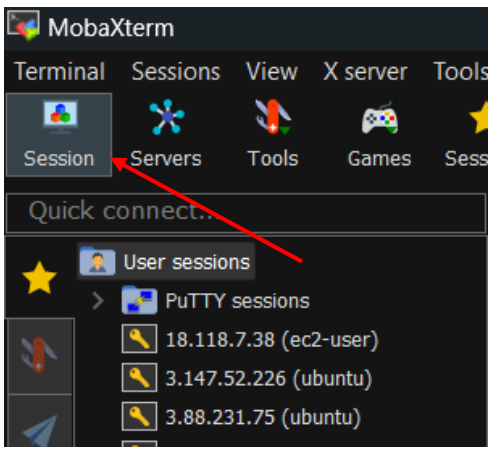
Method 3: you have to install 3rd party application like Mobaxterm, putty etc.. Let's try to connect using **MobaXterm first.**



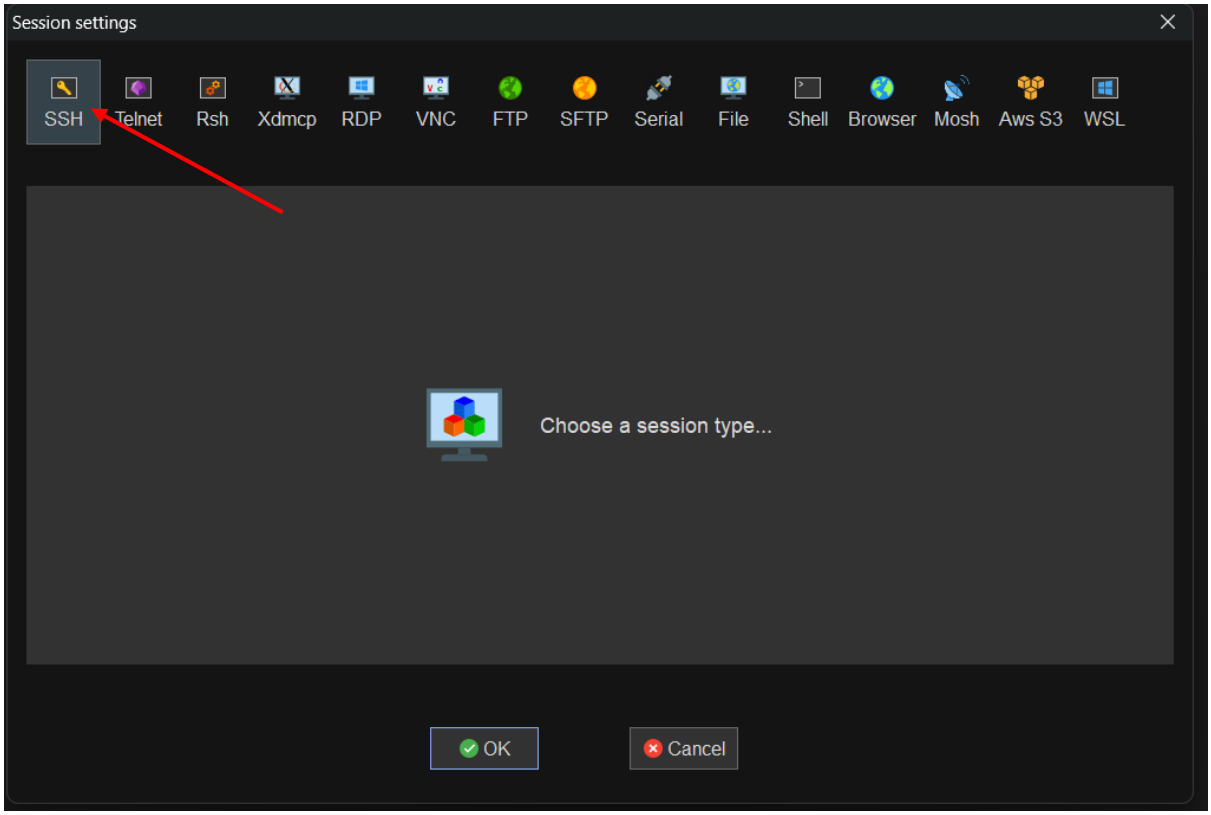
This how MobaXterm looks



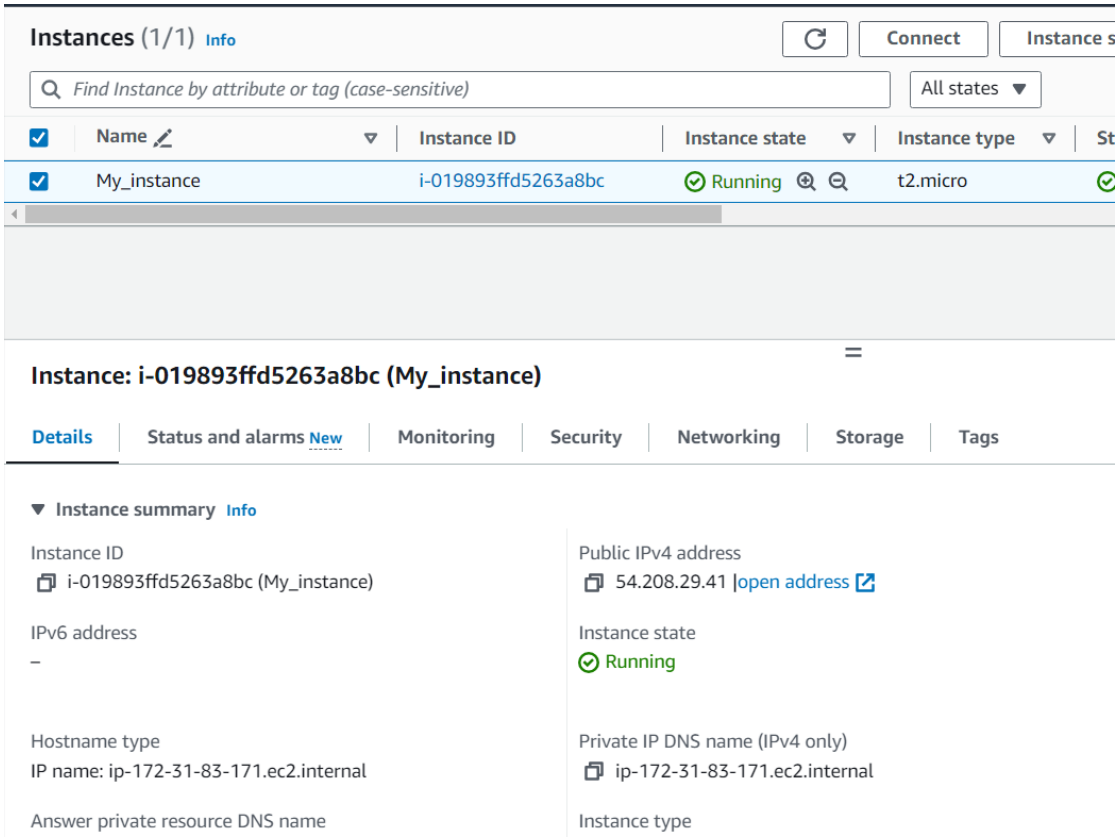
Click on sessions



And now click on SSH



Copy your Instance IP Address

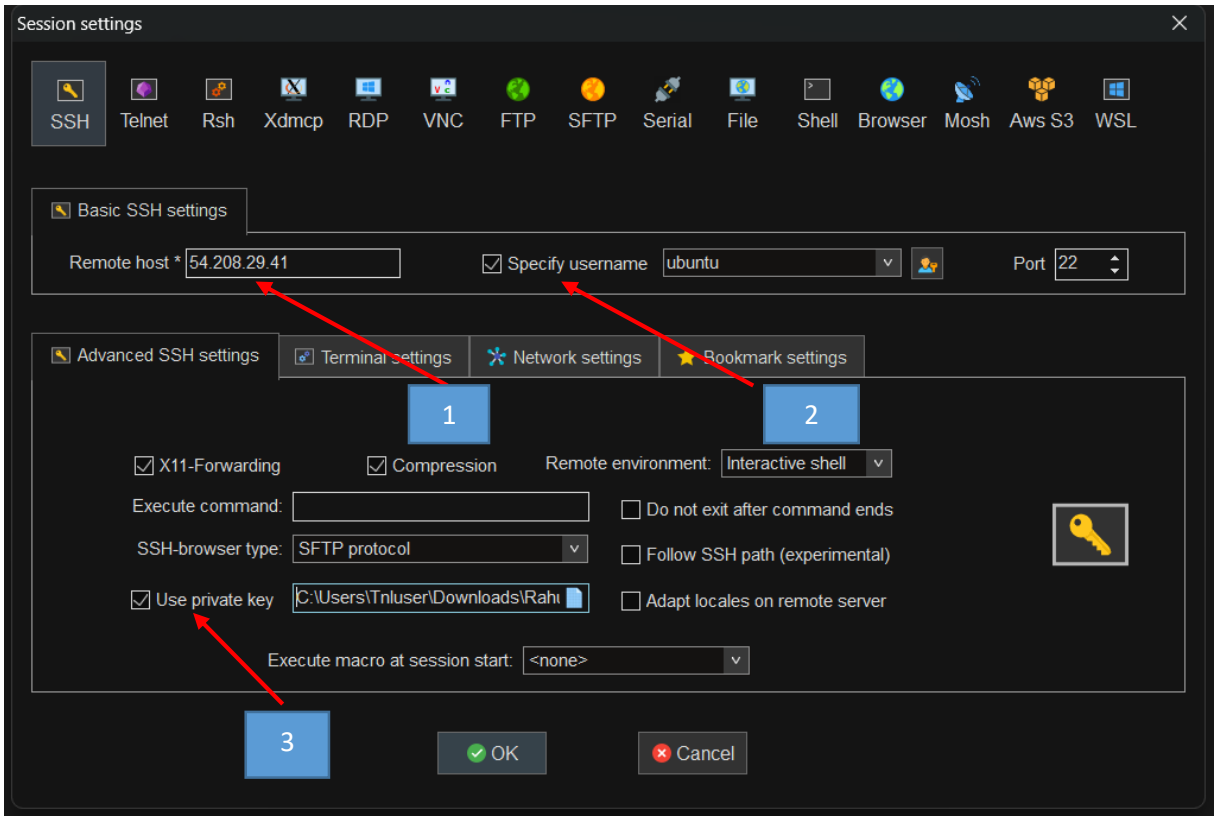


Afterwards

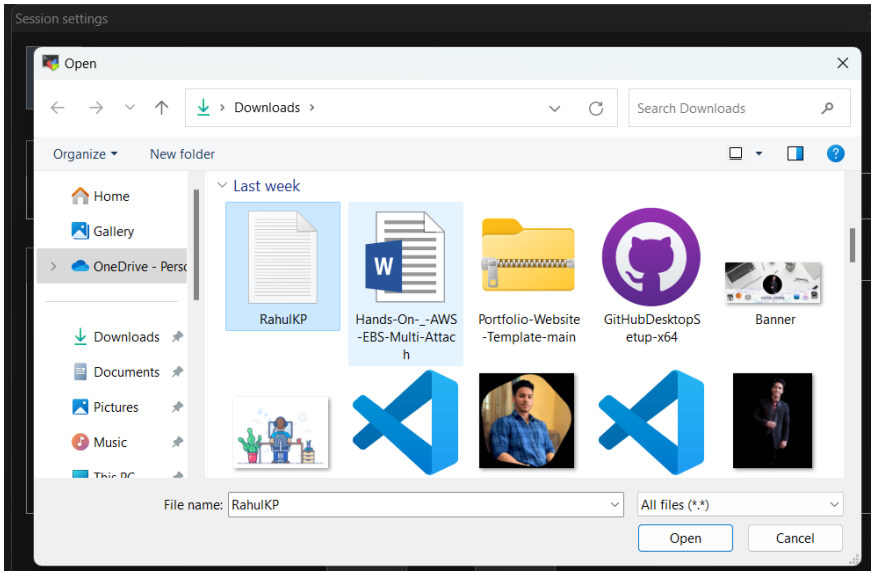
In Remote host- copy paste your instance public IP address

Enable or tick specify username- write “ubuntu” (if using Ubuntu OS) or write “**ec2-user”** (for amazon linux)

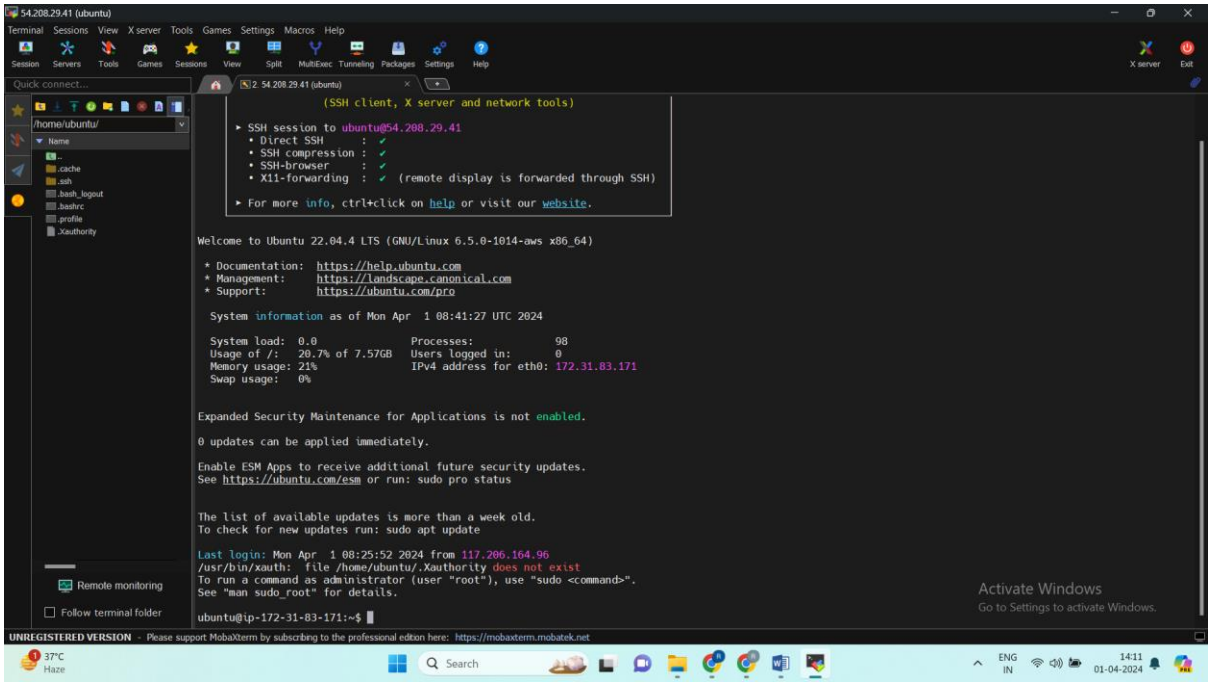
And click on Advanced SSH settings under that click on use private key browse your file and select it.



Browse file select file and open-

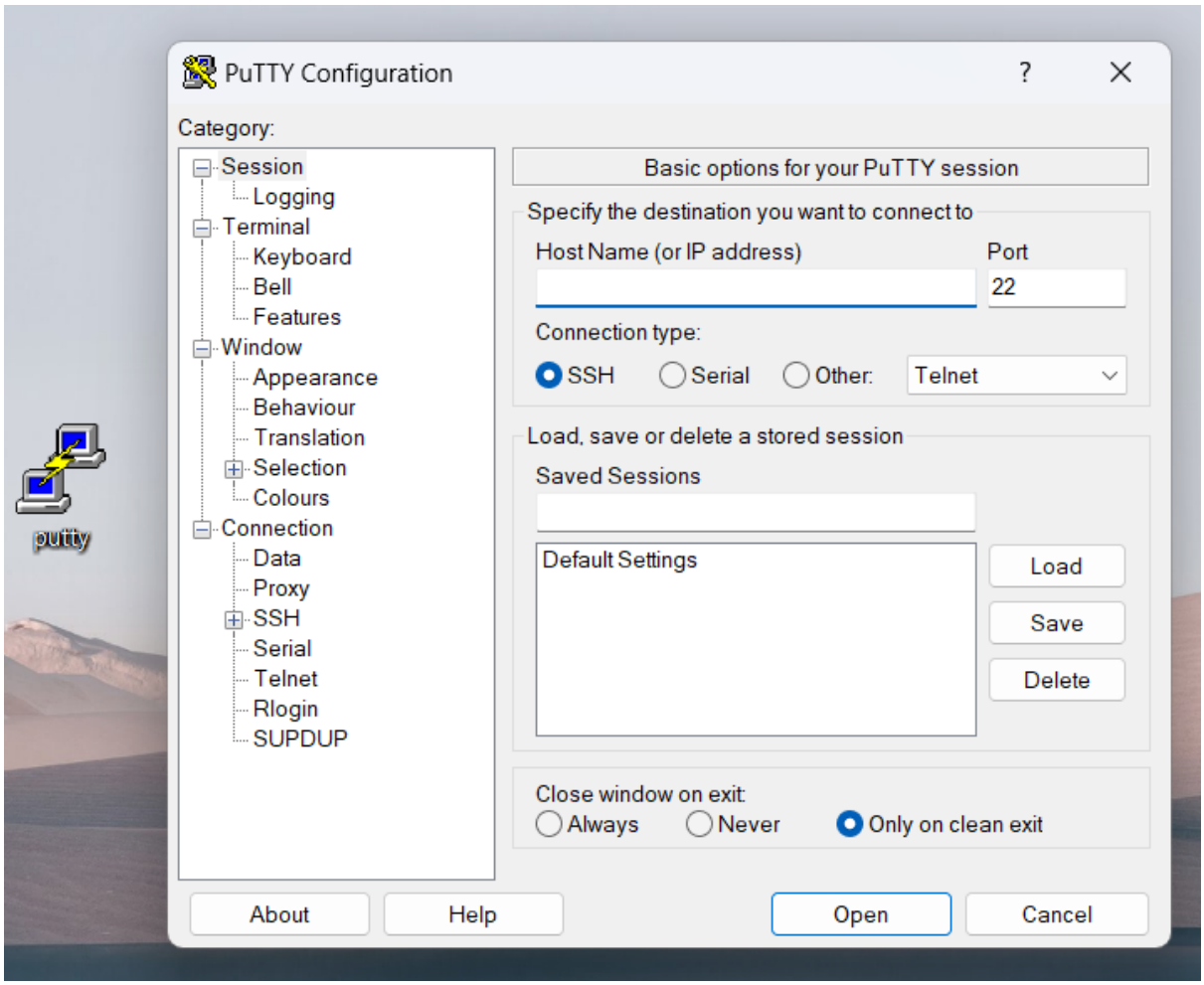


And you are connected to your instance now

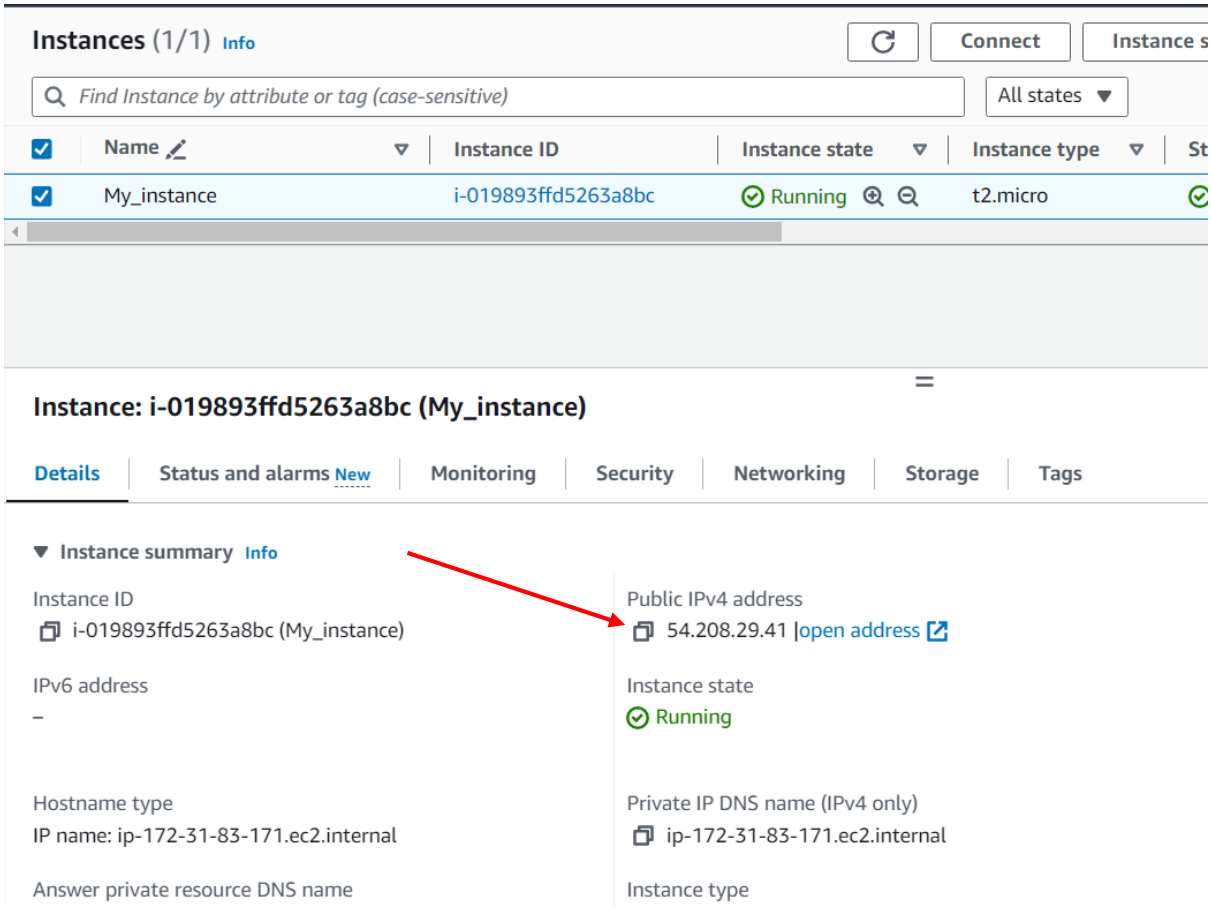


Now let’s try with putty

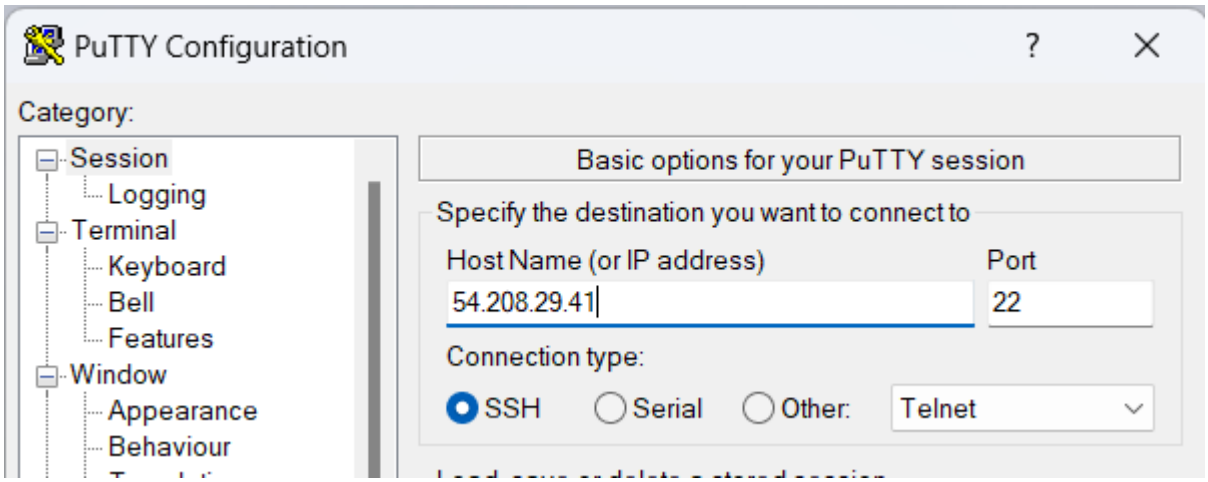
This is how Putty looks



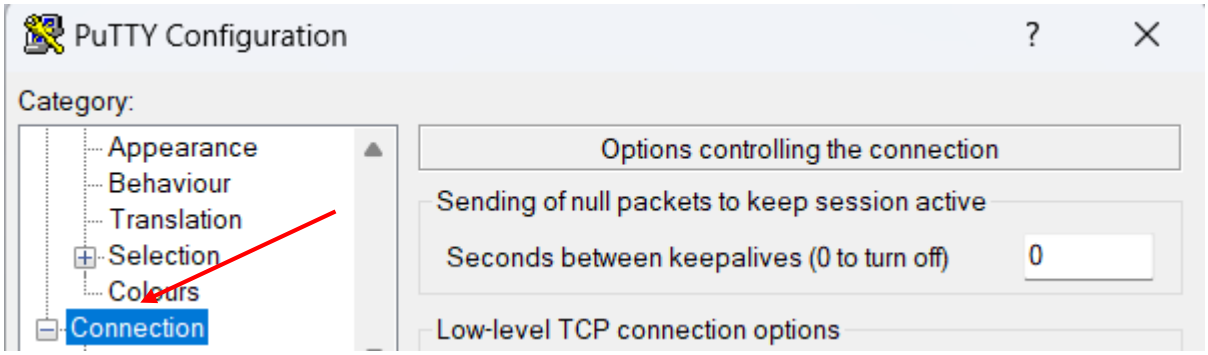
Now to SSH to our Instance we have to copy the public IP address from our AWS console so just select your instance and copy the IP address-



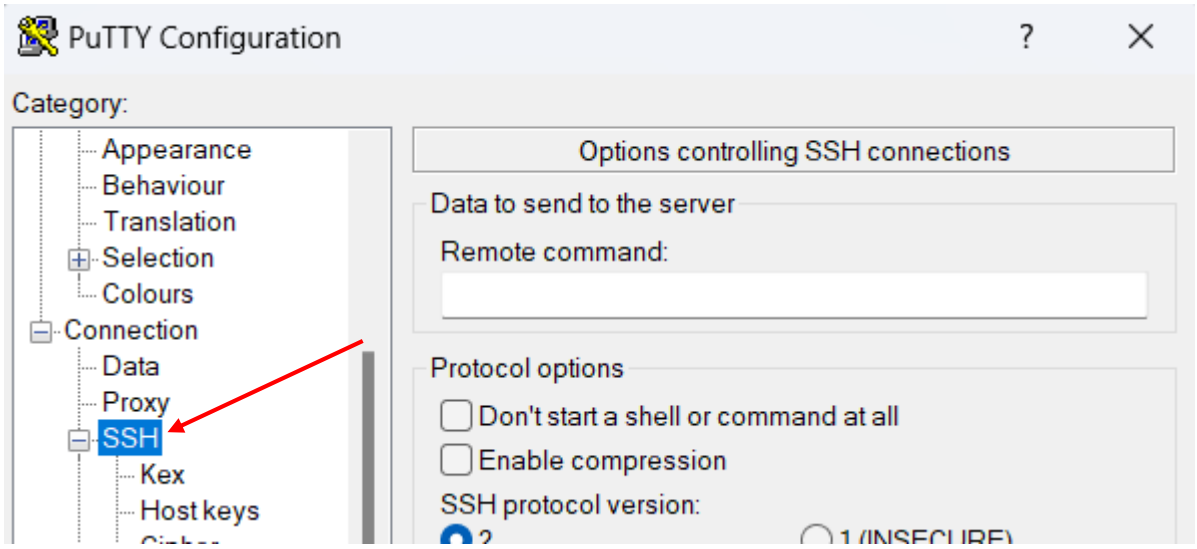
Paste that IP address here



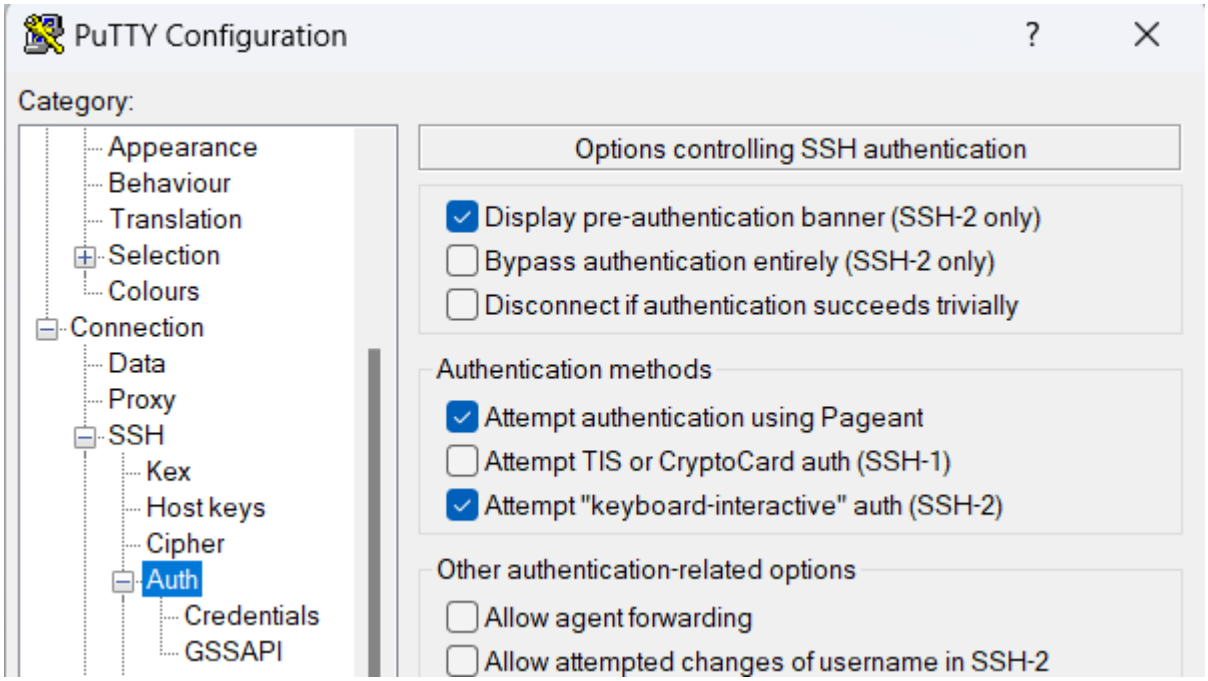
And now we have to provide the public key path
So click on “**Connections**”



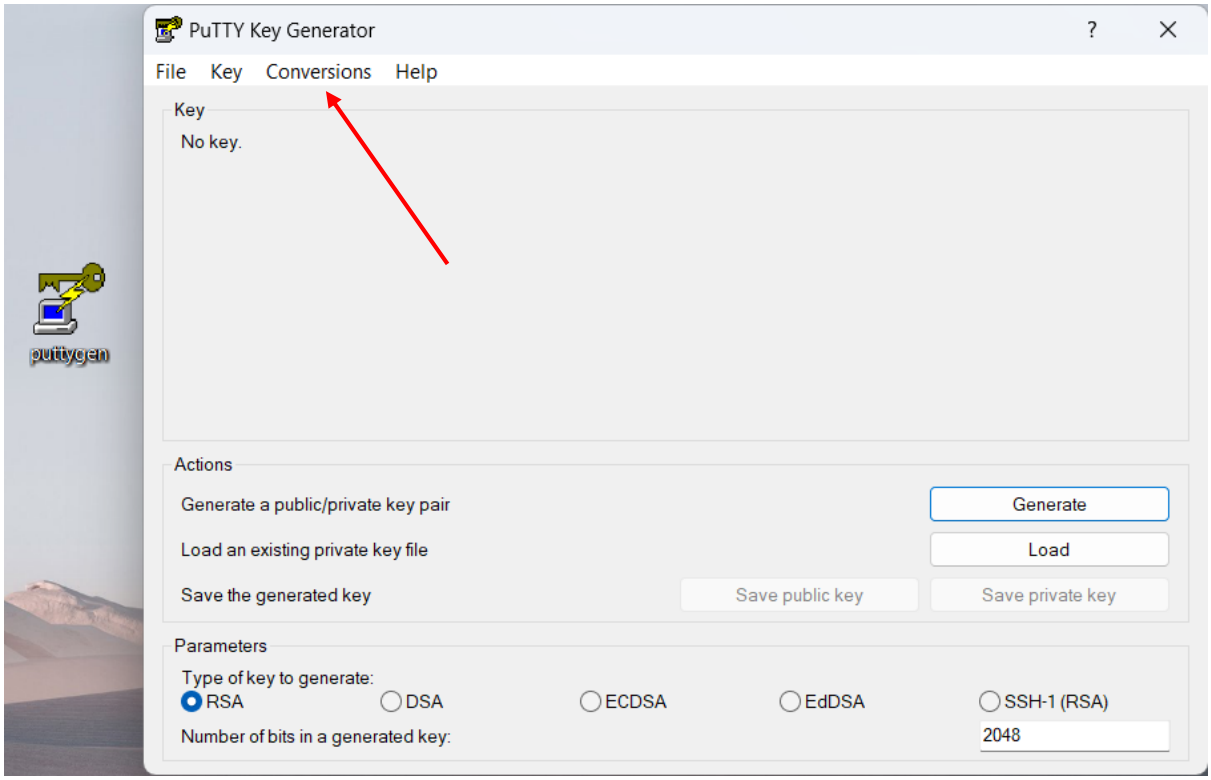
Under that click on “**SSH**”



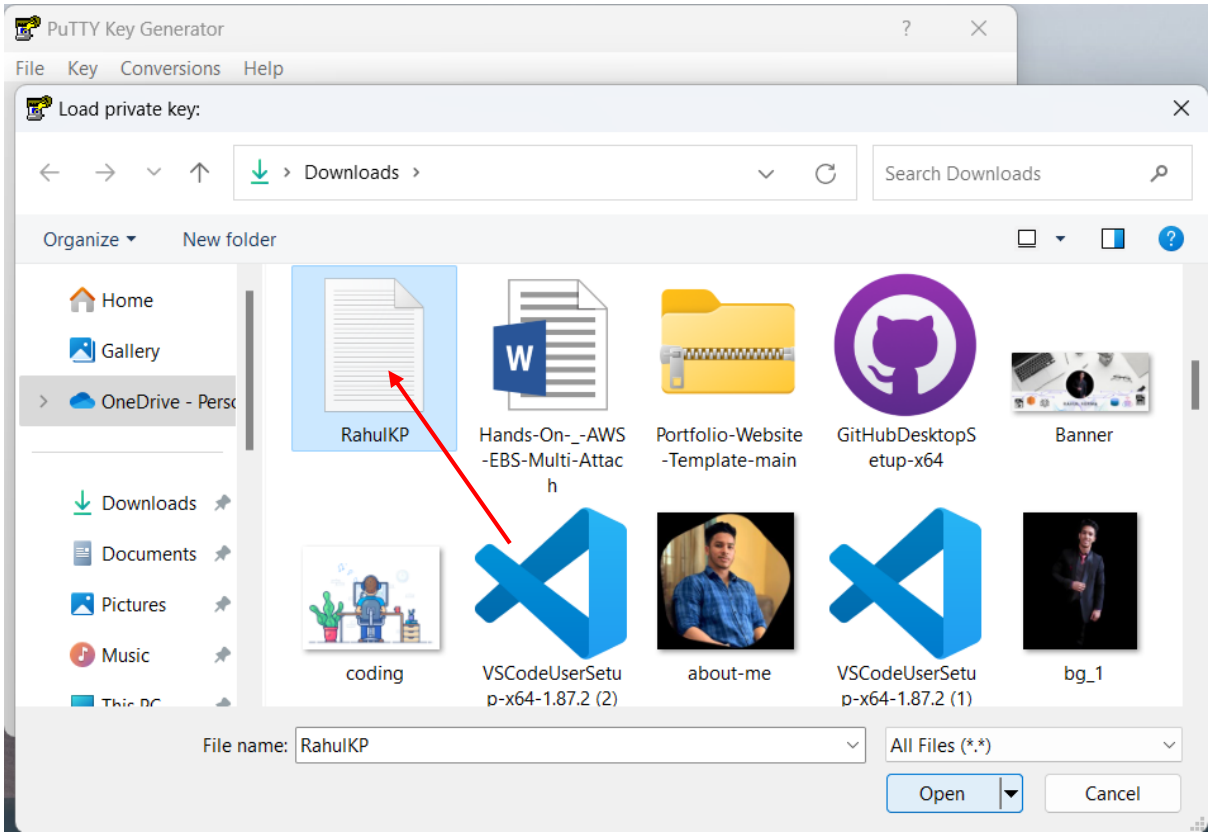
Under SSH go to “**AUTH**” and under Auth click on Credentials



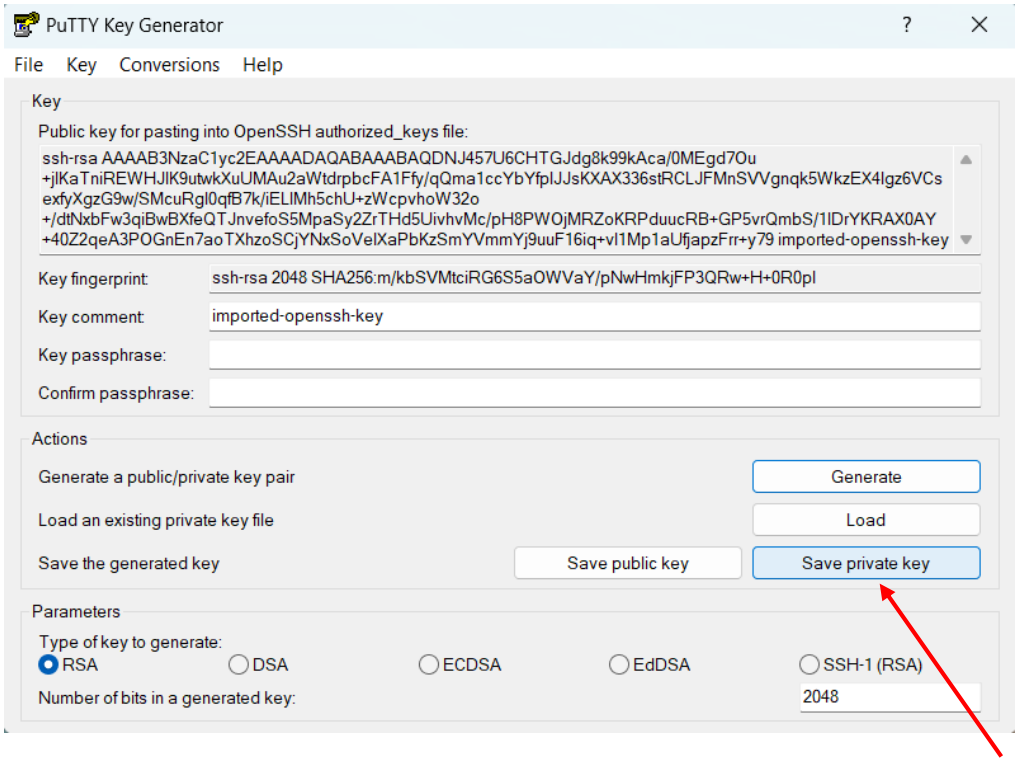
As Putty doesn’t allow public key we have to convert our public key into private key first. So just open puttygen key generator



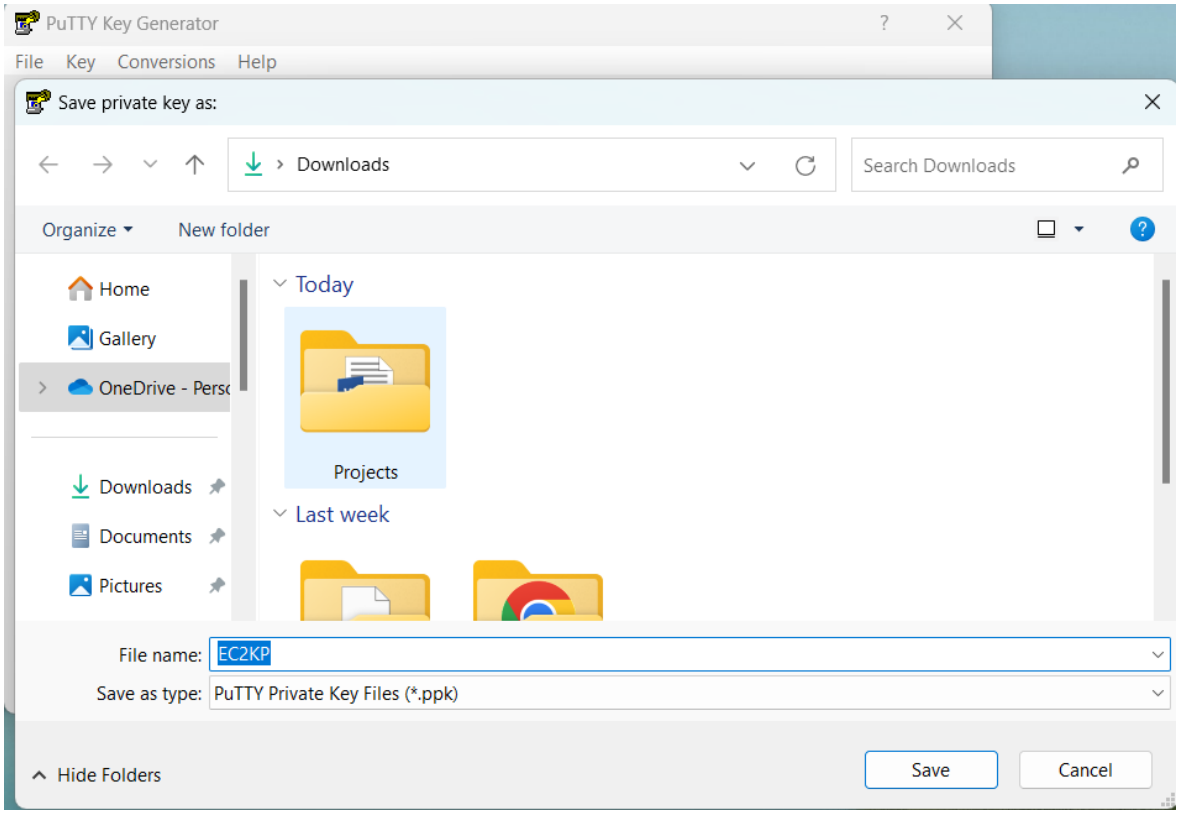
Click on conversions under that click on import and browse your file select it and click on open



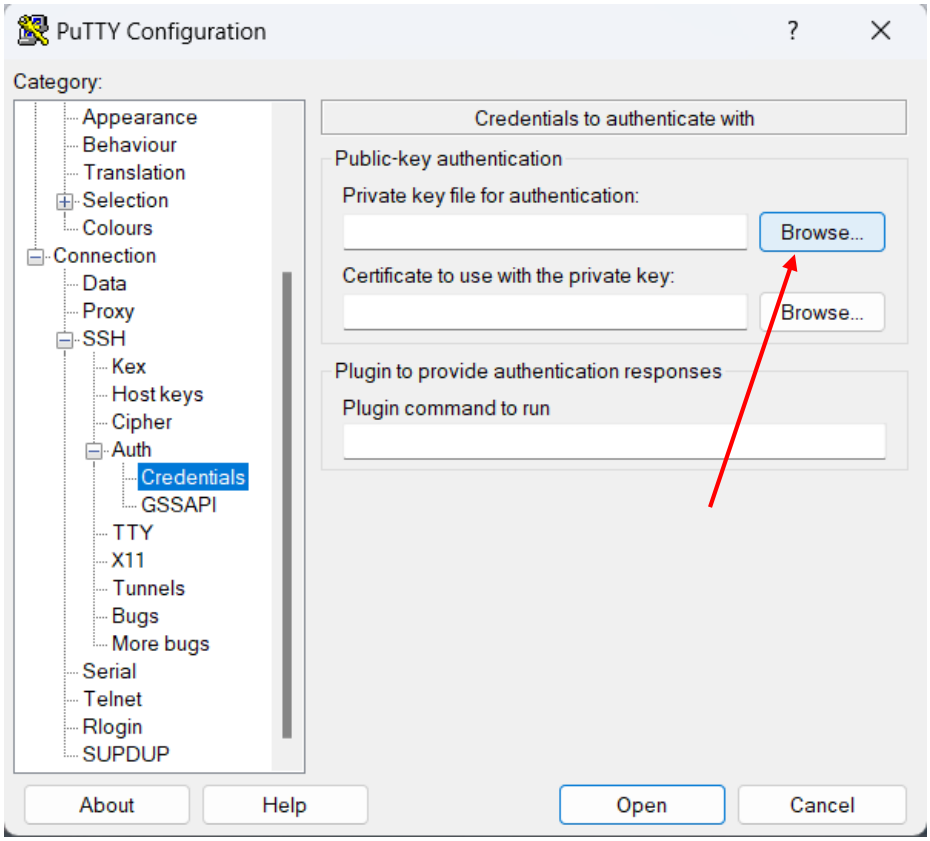
And now click on save it as private key



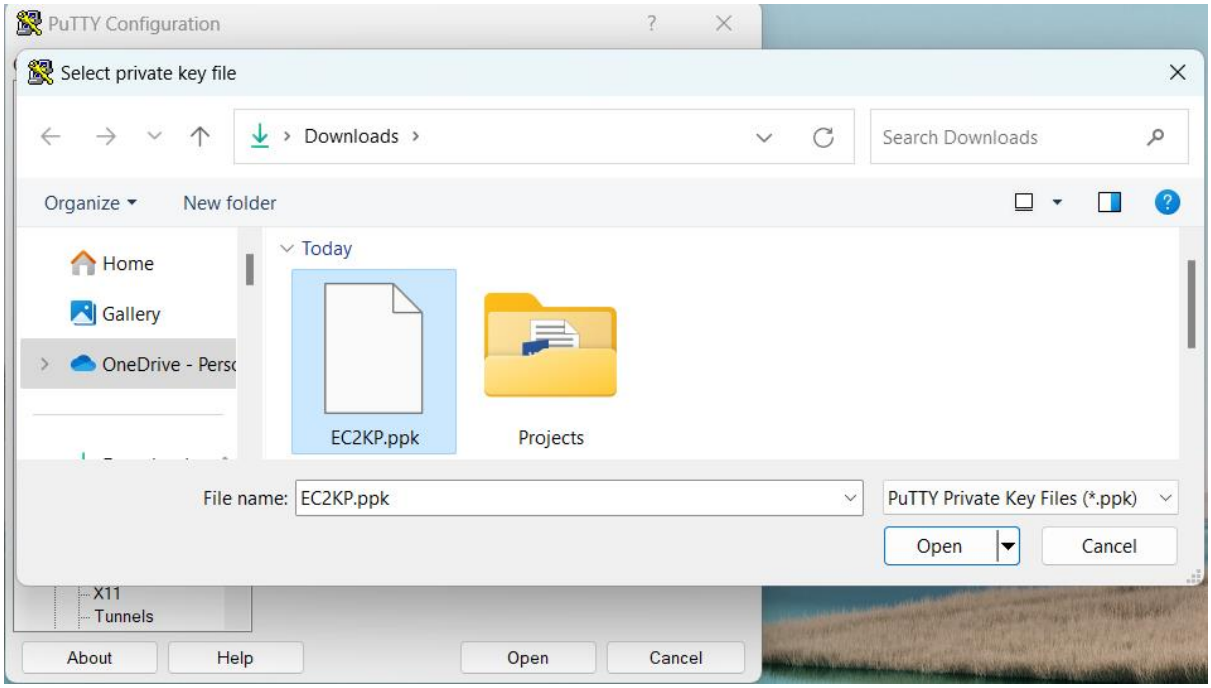
And now save your file with some name



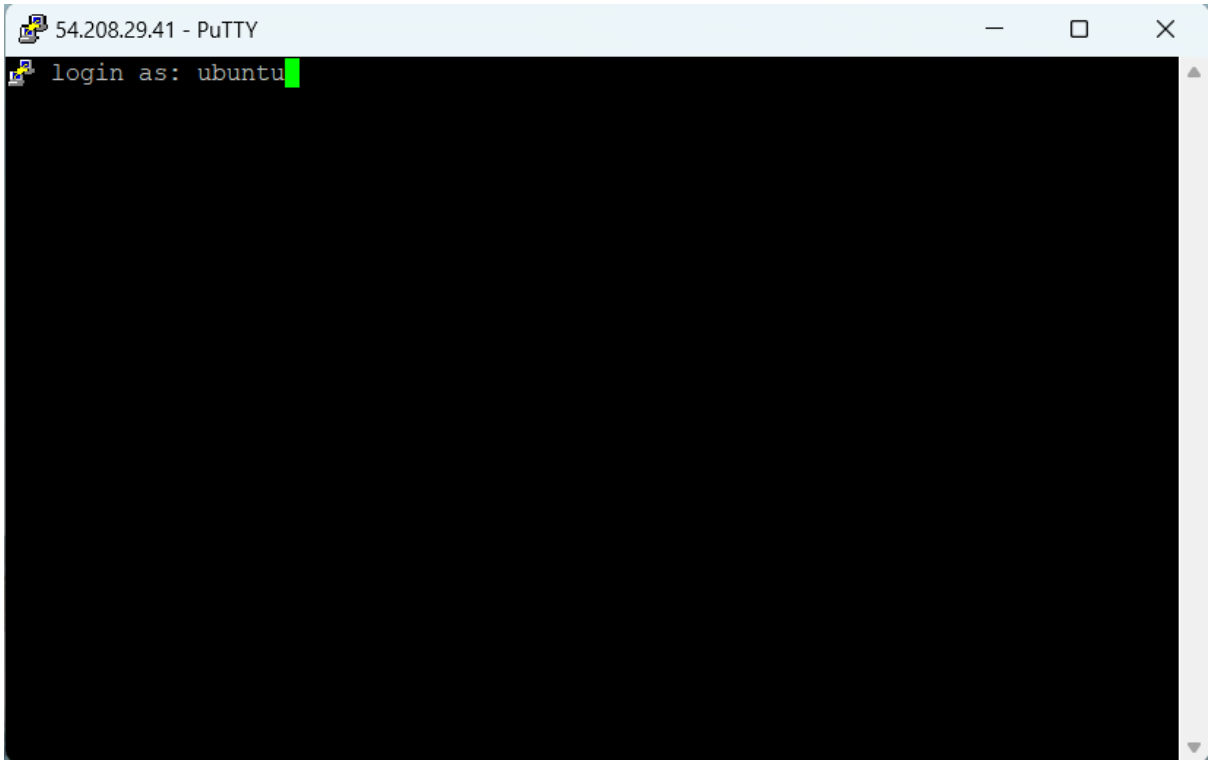
Now come back to putty browse your file



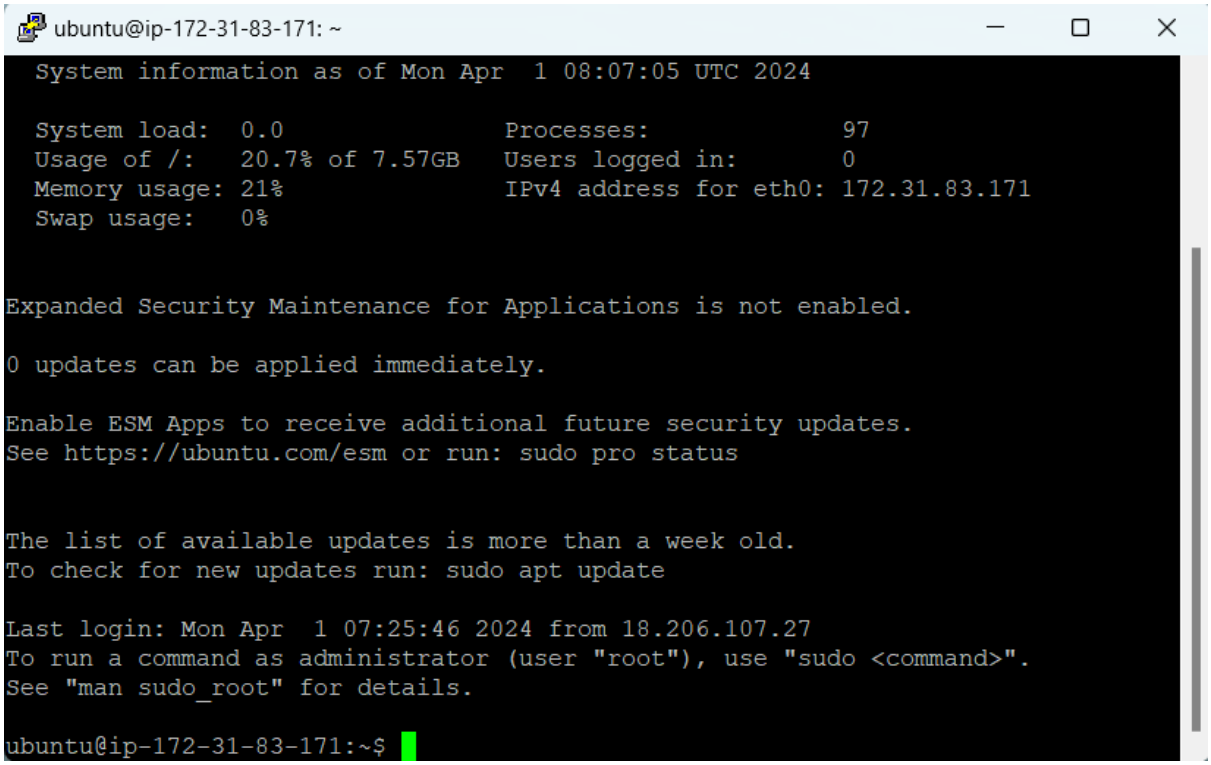
Select your new private key and click on open



Now it will ask you login as: so we are using Ubuntu so we have to write "**Ubuntu**"
If you are using amazon linux OS then you have to write "**ec-2**"



And we are connected to our instance now



Thank You