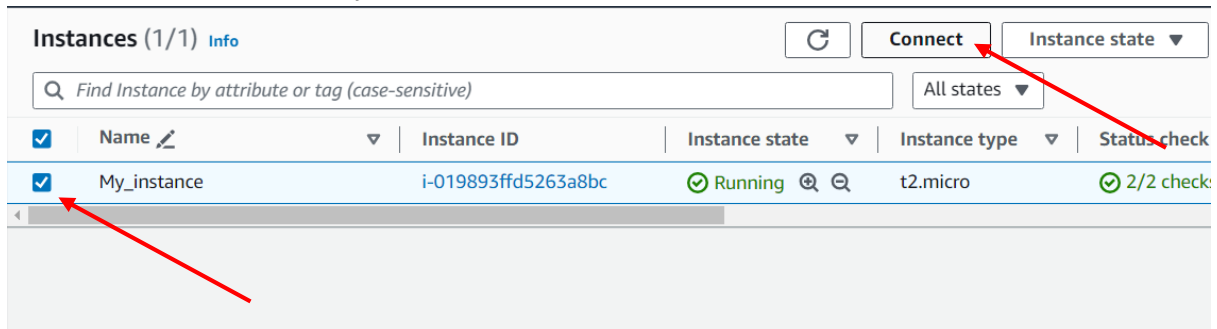# Various Methods to connect to an EC2 Instance are below:

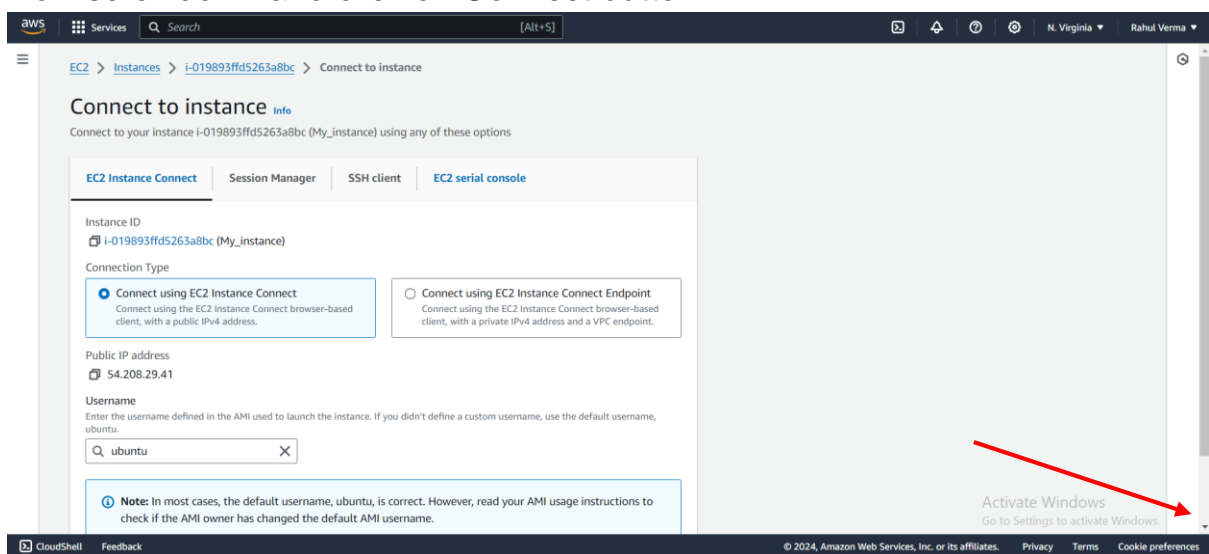1. Using AWS Console
2. Using CMD Prompt or windows powershell
3. Using MobaXterm and putty software
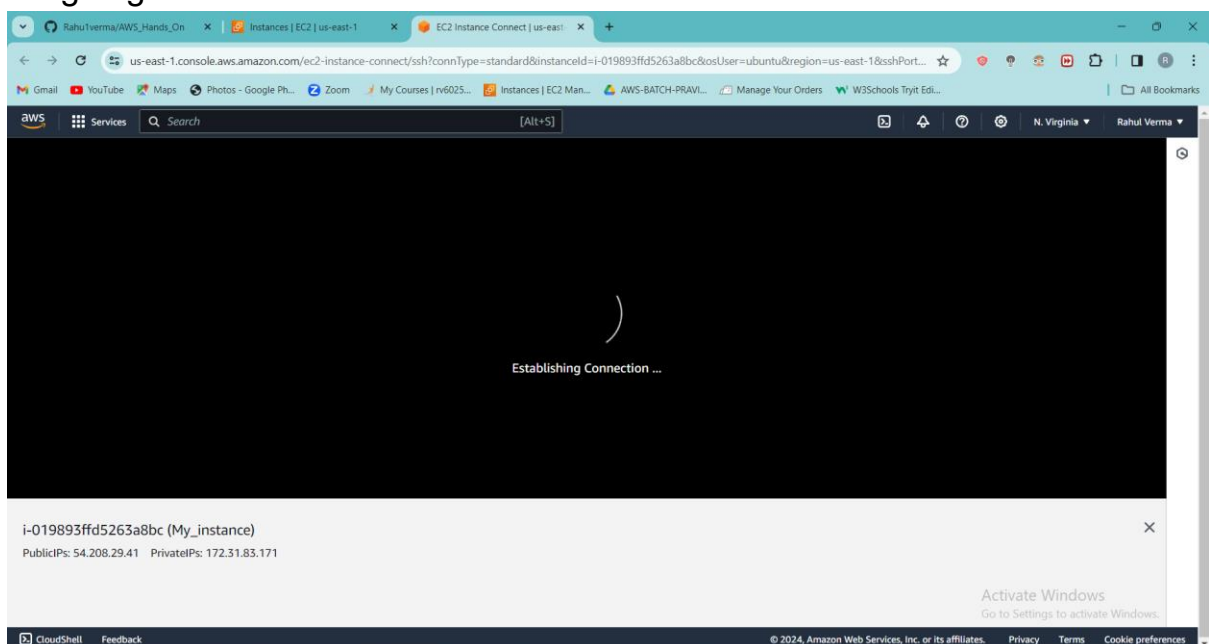
Now let's connect to our EC2 Instance

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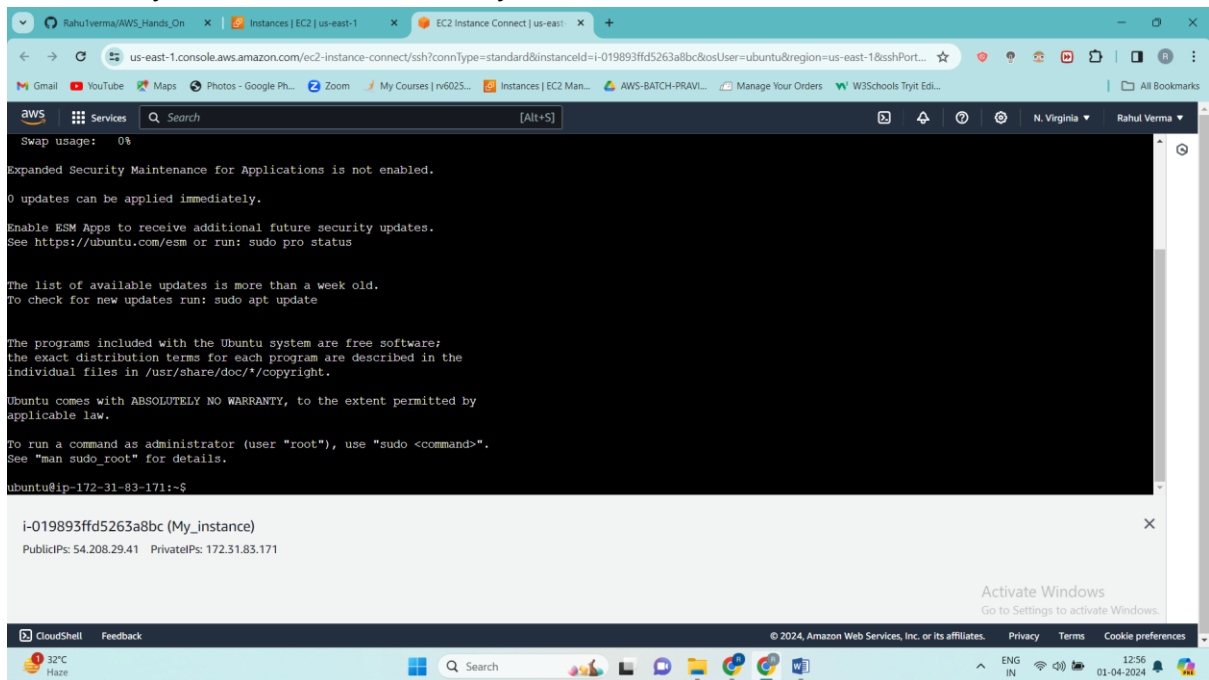

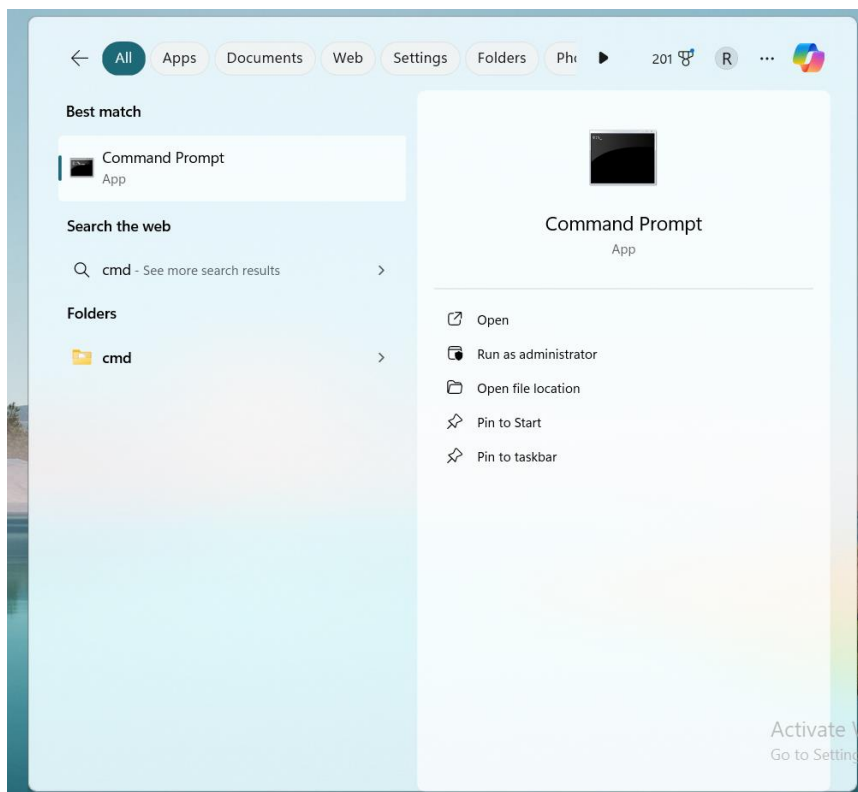
Now scroll down and click on Connect button
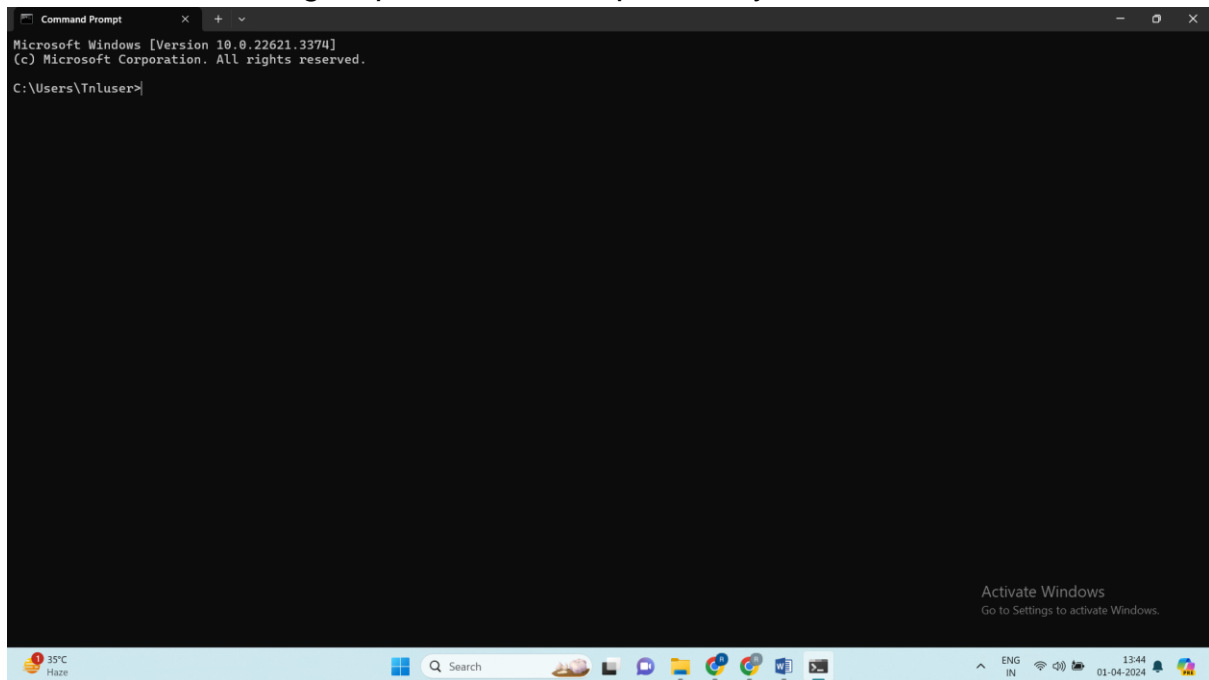

It's going to take few seconds
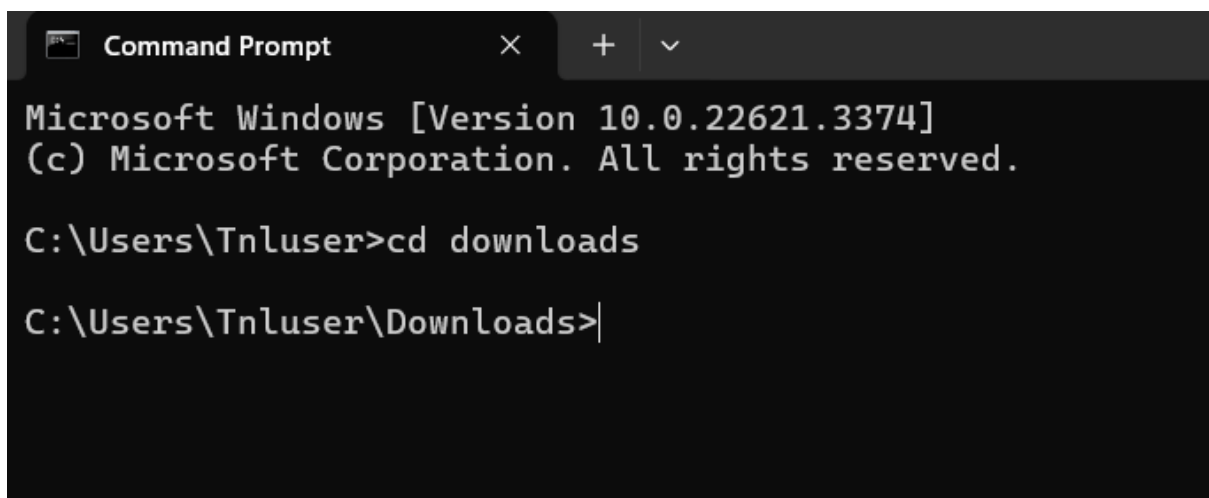
And now your are connected to your instance

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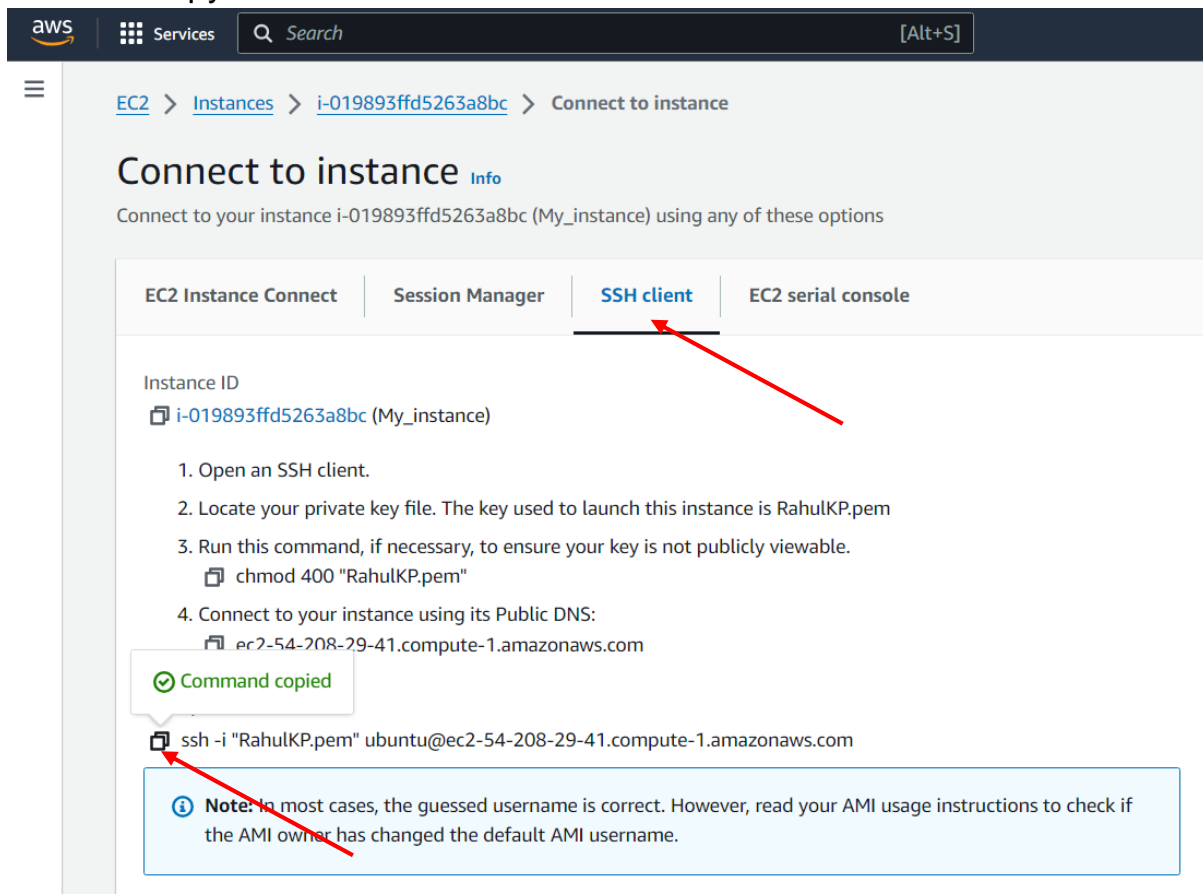
And now go to your AWS console
Select your instance
Click on connect
Click on SSH client
And now copy the command

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
```
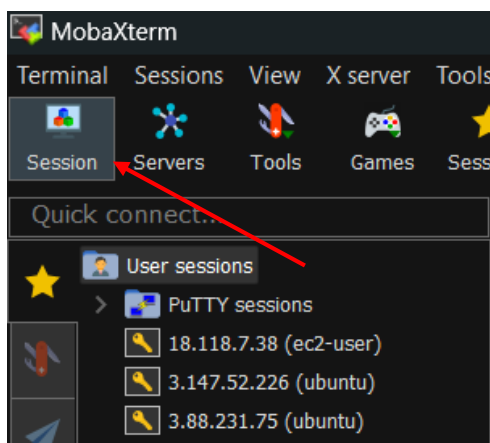
And you are connected to your instance now

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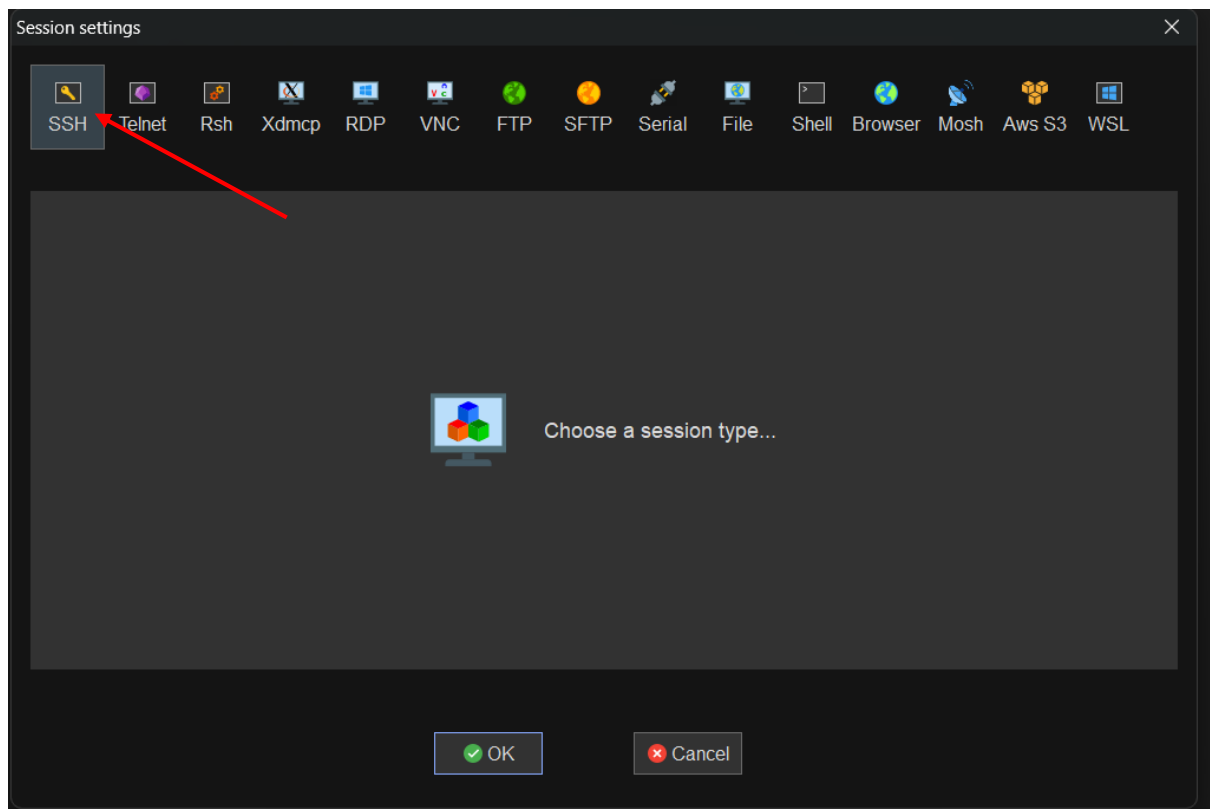Let's try to connect using **MobaXterm first.**

This how MobaXterm looks

Click on sessions

And now click on SSH

Copy your Instance IP Address

Instances (1/1) Info

Find Instance by attribute or tag (case-sensitive)

All states ▼

	Name		Instance ID	Instance state		Instance type		St
☑	My_instance		i-019893ffd5263a8bc	⊘ Running ⊕ ⊖		t2.micro		⊘

Instance: i-019893ffd5263a8bc (My_instance)

Details   Status and alarms New   Monitoring   Security   Networking   Storage   Tags

▼ Instance summary Info

Instance ID
⬚ i-019893ffd5263a8bc (My_instance)

Public IPv4 address
⬚ 54.208.29.41 |open address ↗

IPv6 address
–

Instance state
⊘ Running

Hostname type
IP name: ip-172-31-83-171.ec2.internal

Private IP DNS name (IPv4 only)
⬚ ip-172-31-83-171.ec2.internal

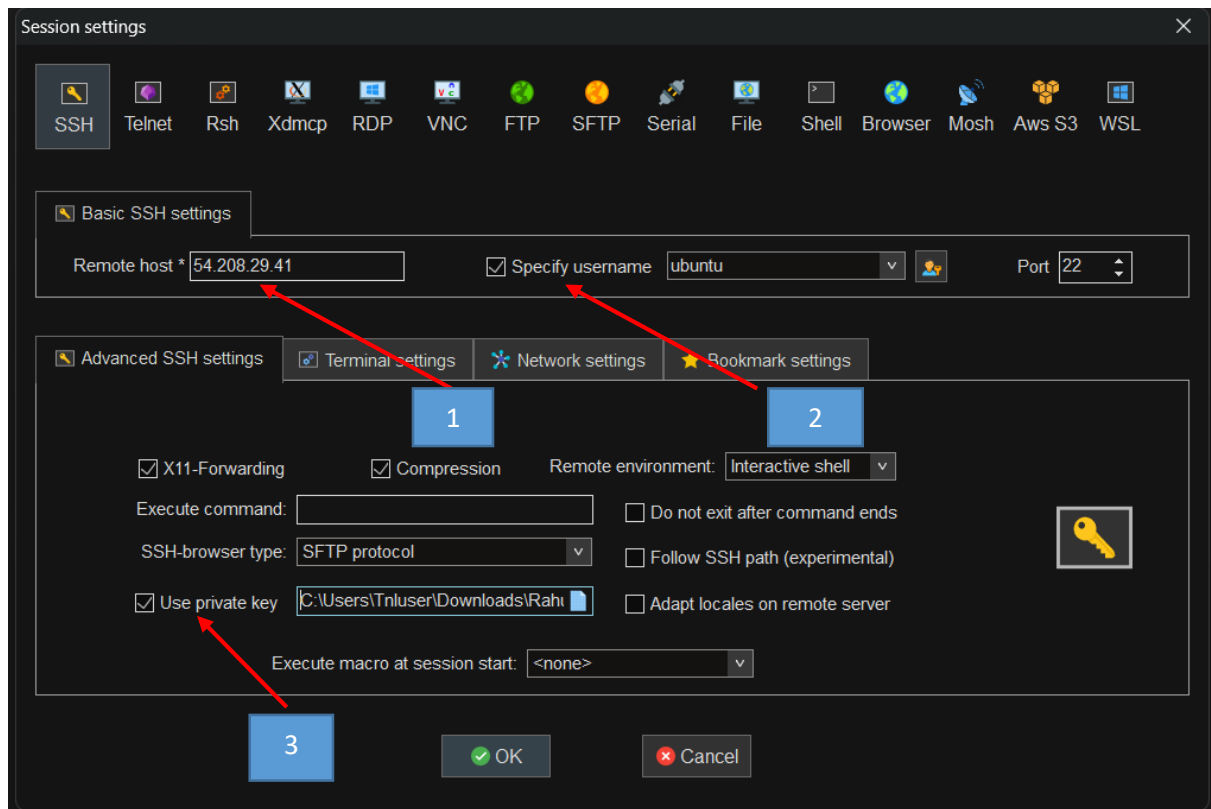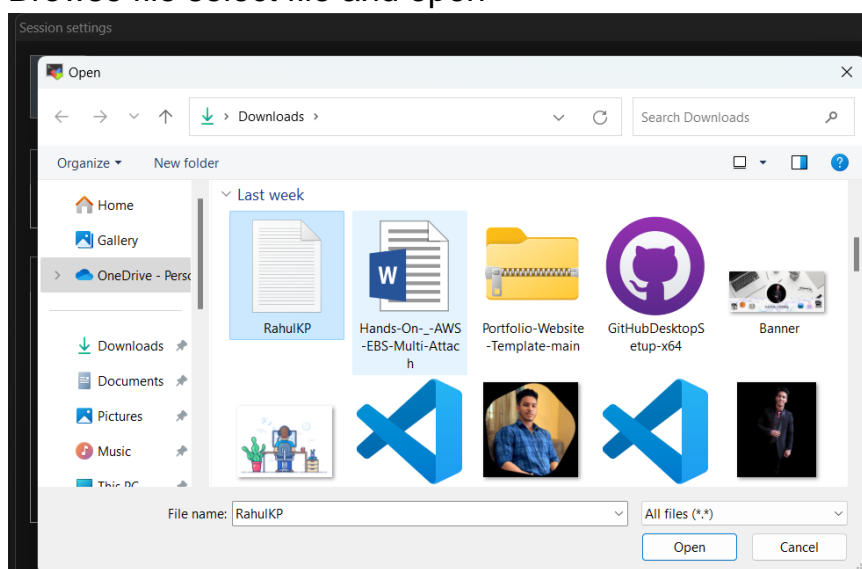Answer private resource DNS name

Instance type

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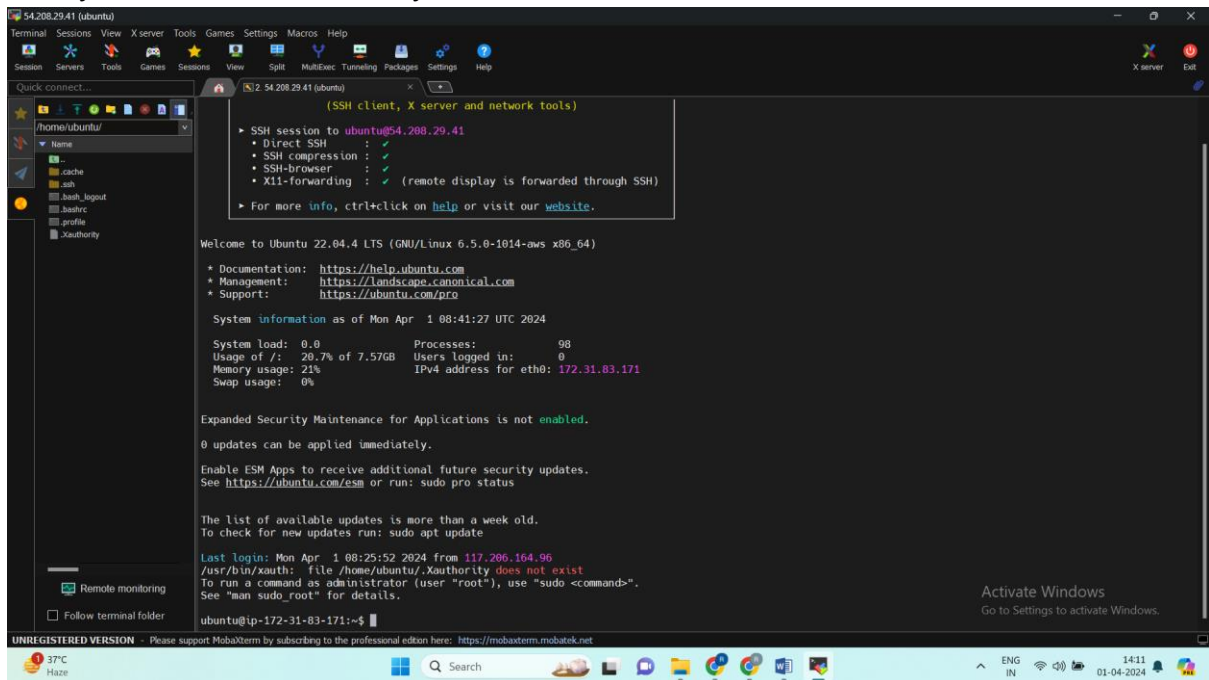
And click on Advanced SSH settings under that click on use private key browse your file and select it.
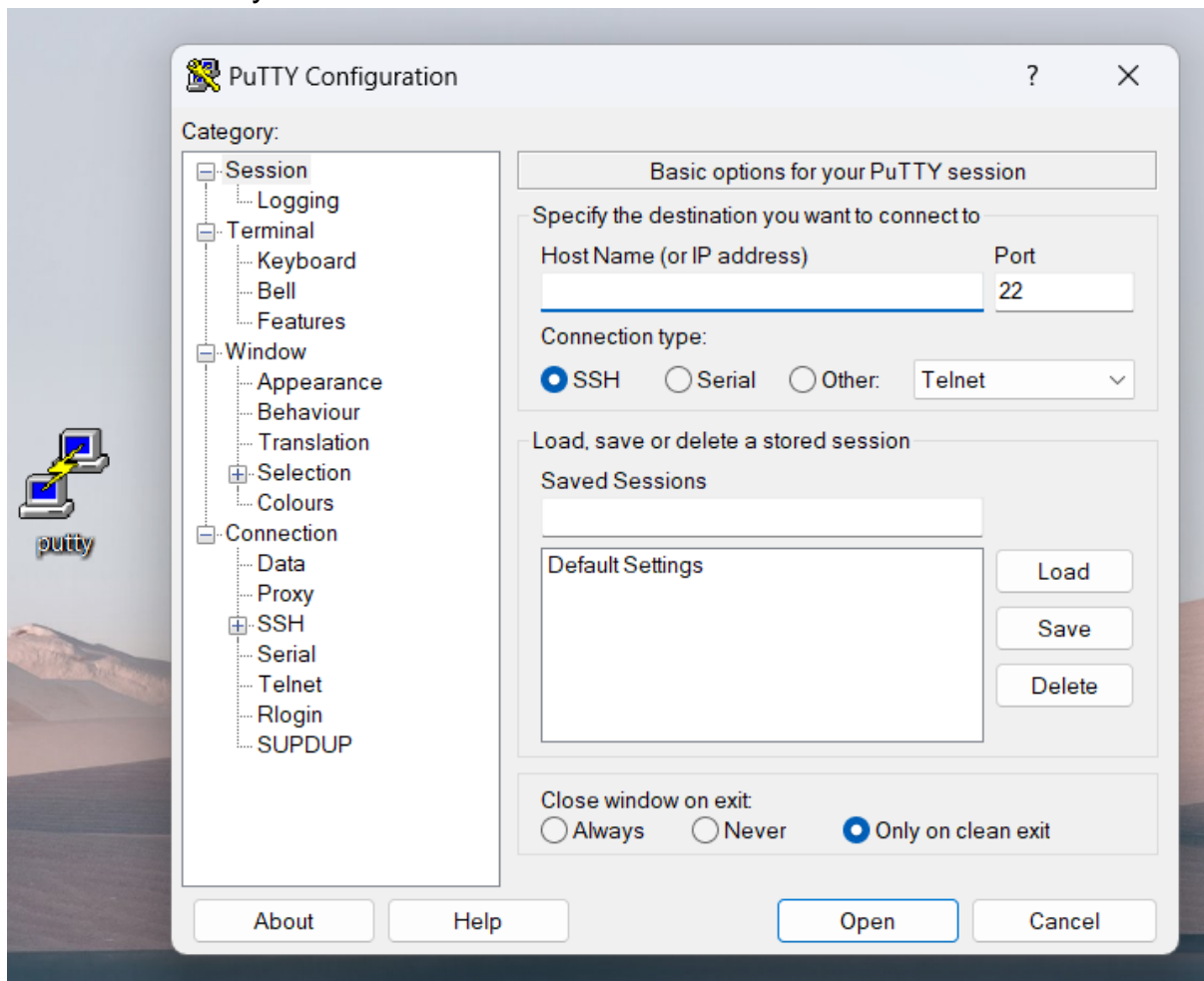

Browse file select file and open-

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**"
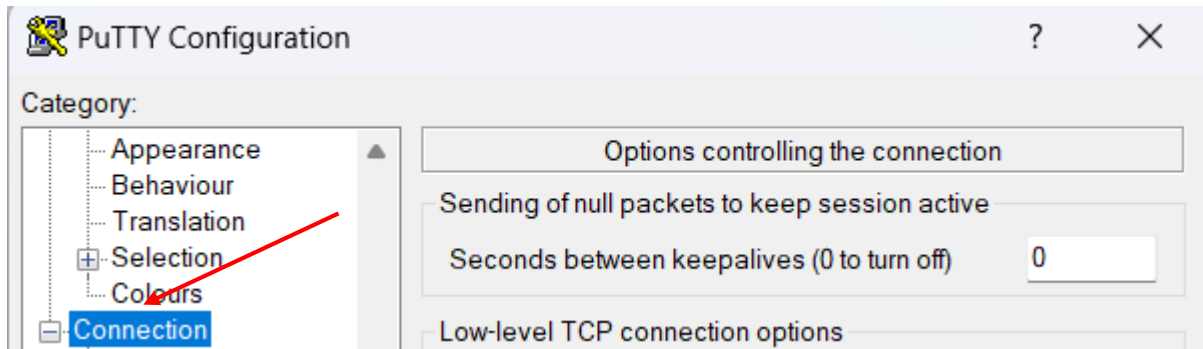
Under that click on "**SSH**"
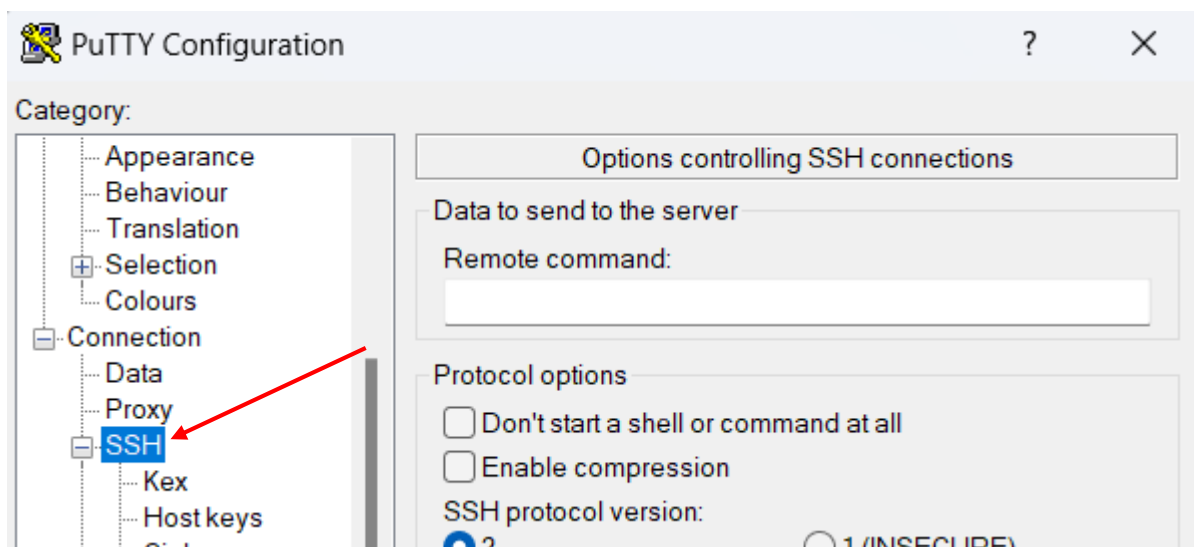
Under SSH go to "**AUTH**" and under Auth click on Credentials

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

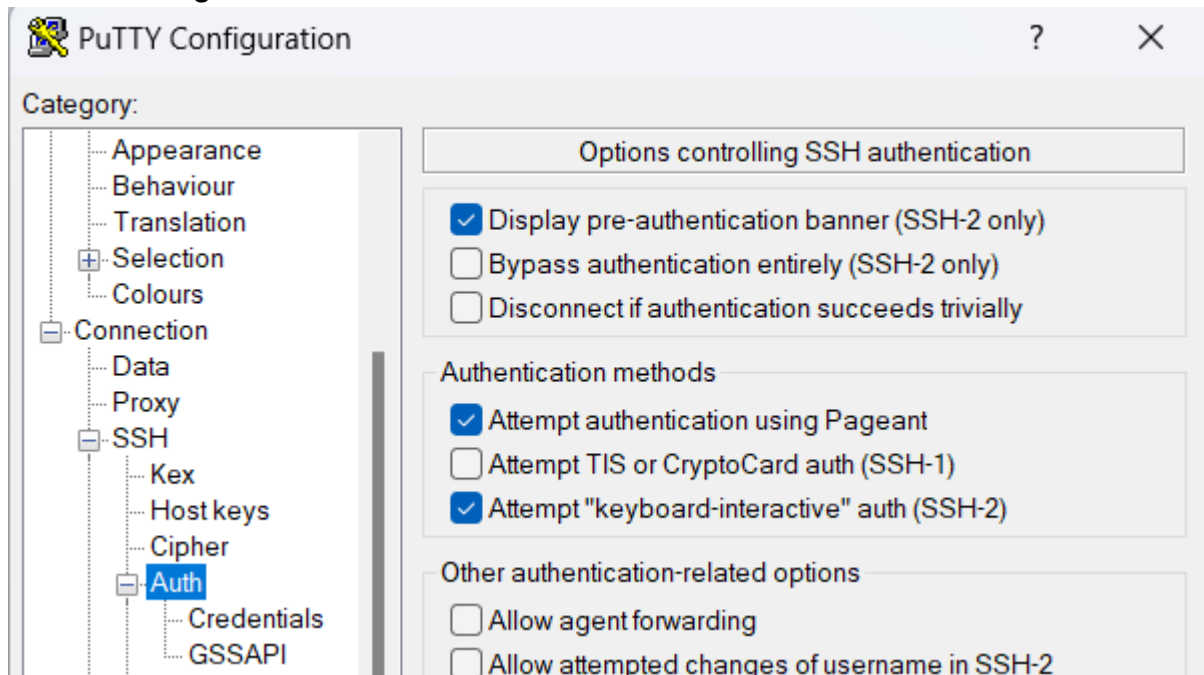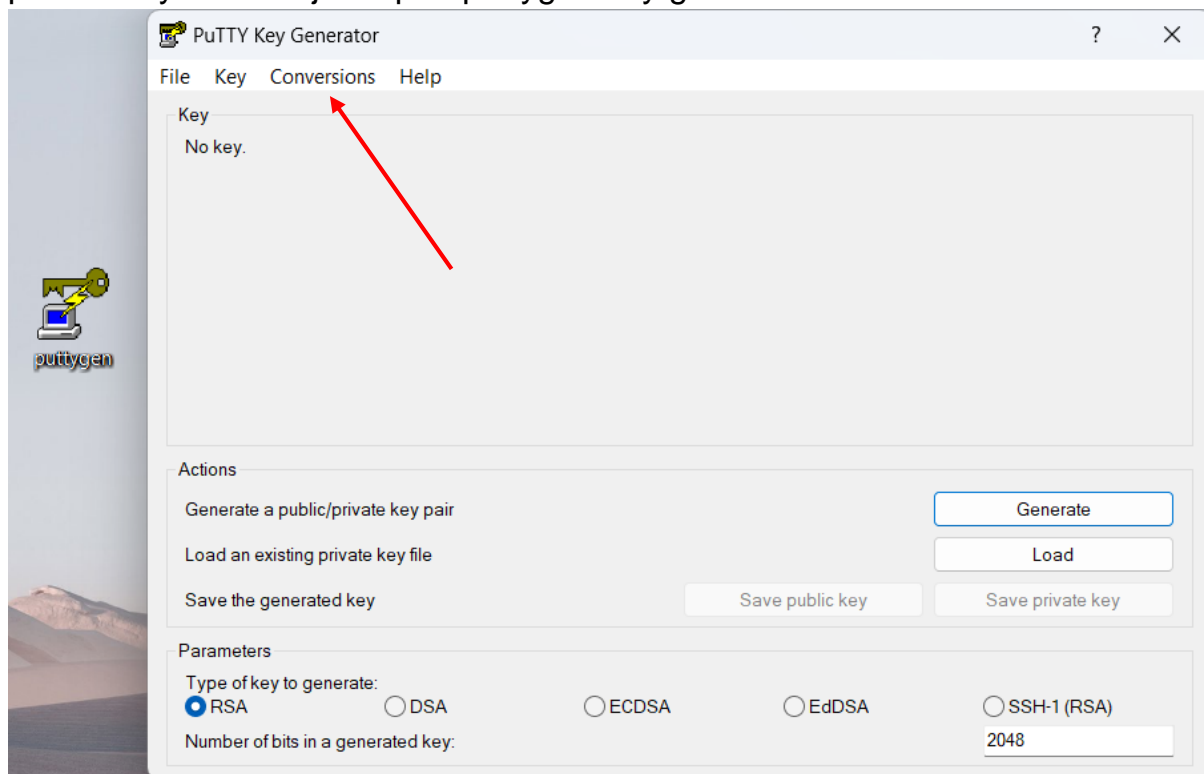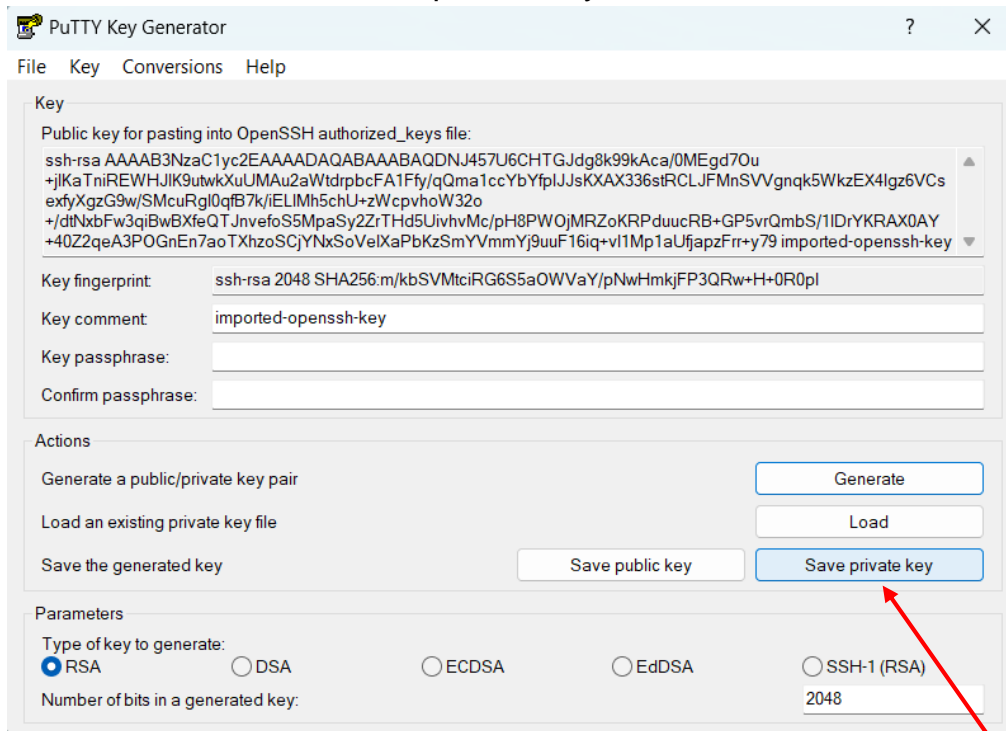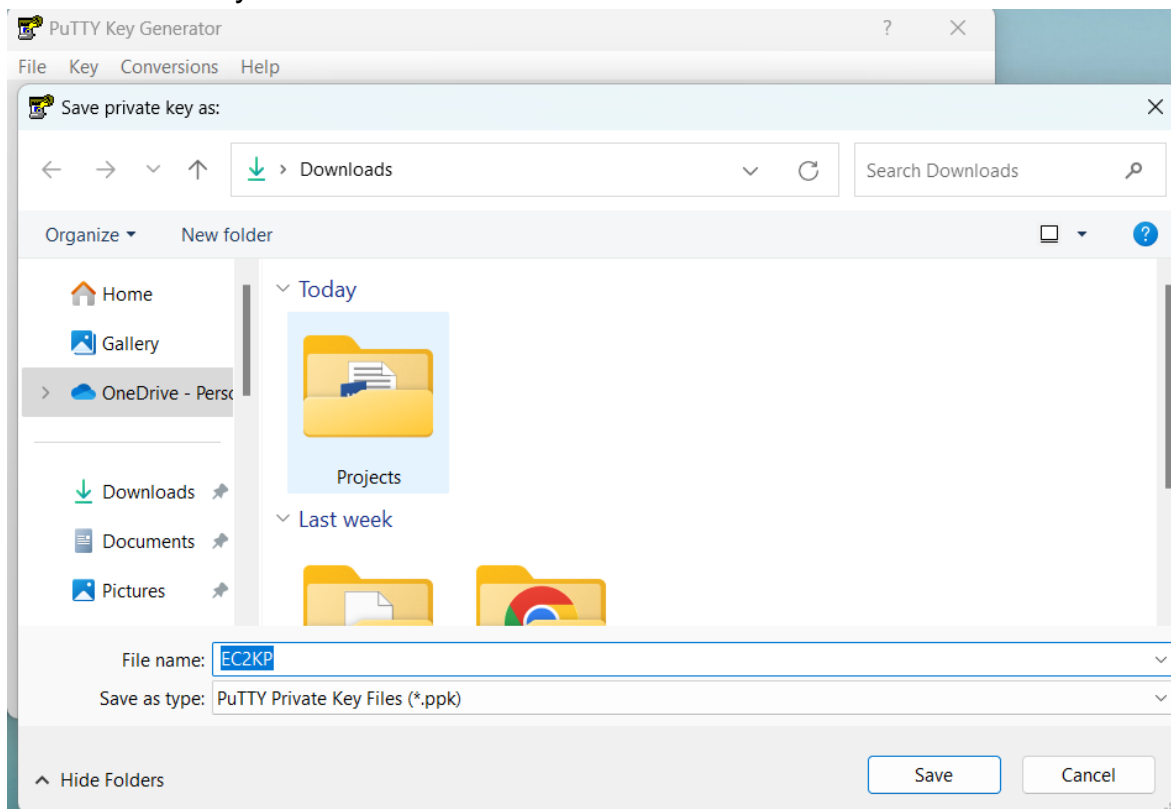Click on conversions under that click on import and browse your file select it
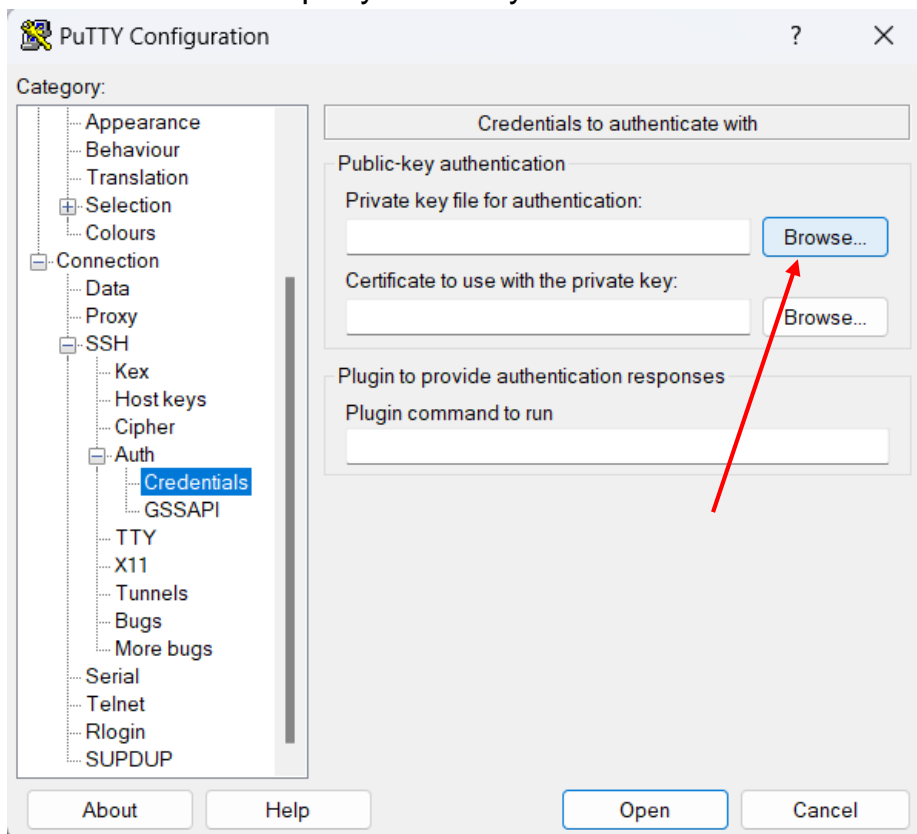and click on open
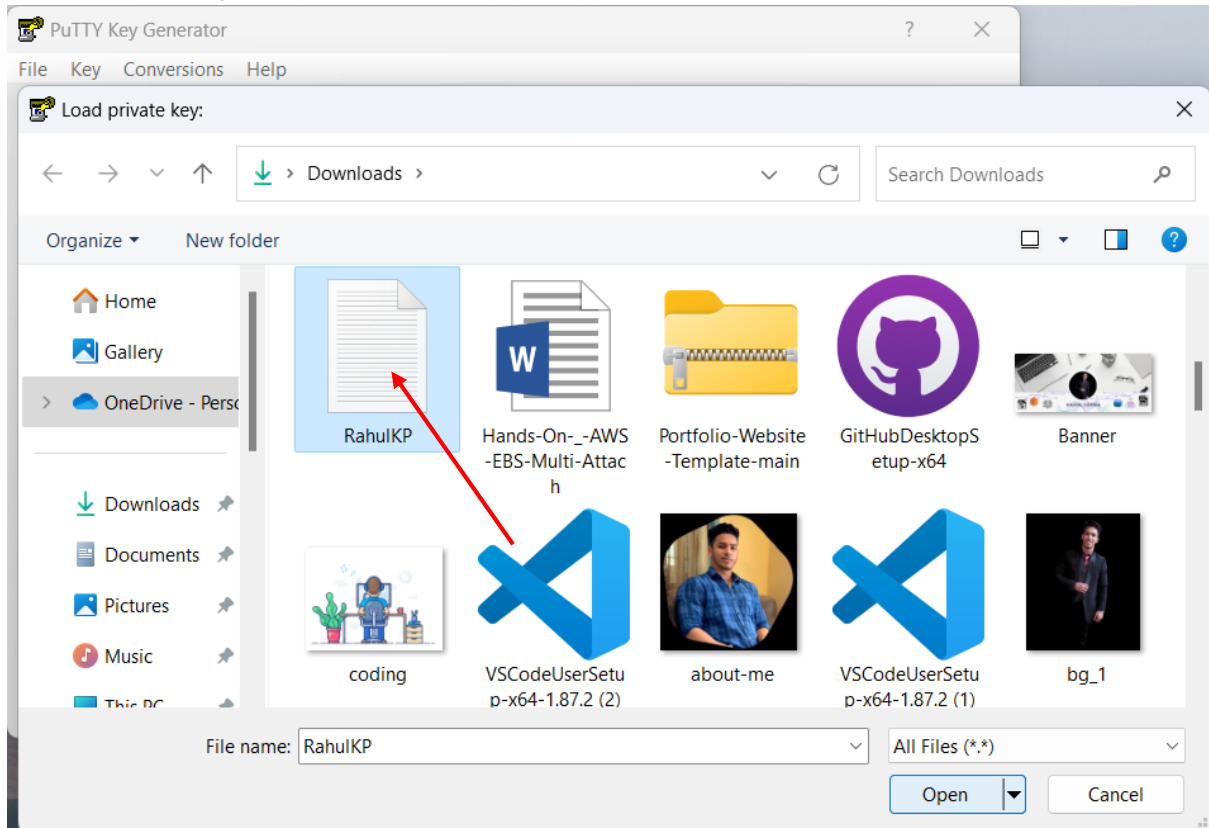
And now click on save it as private key

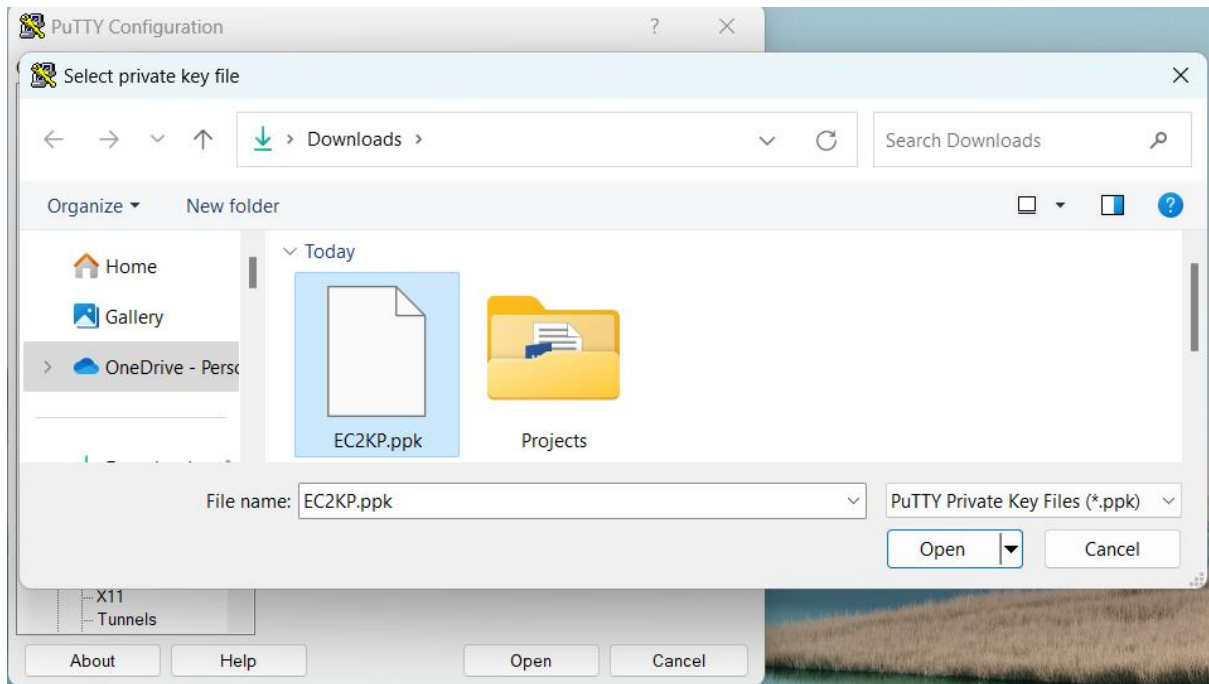And now save your file with some name
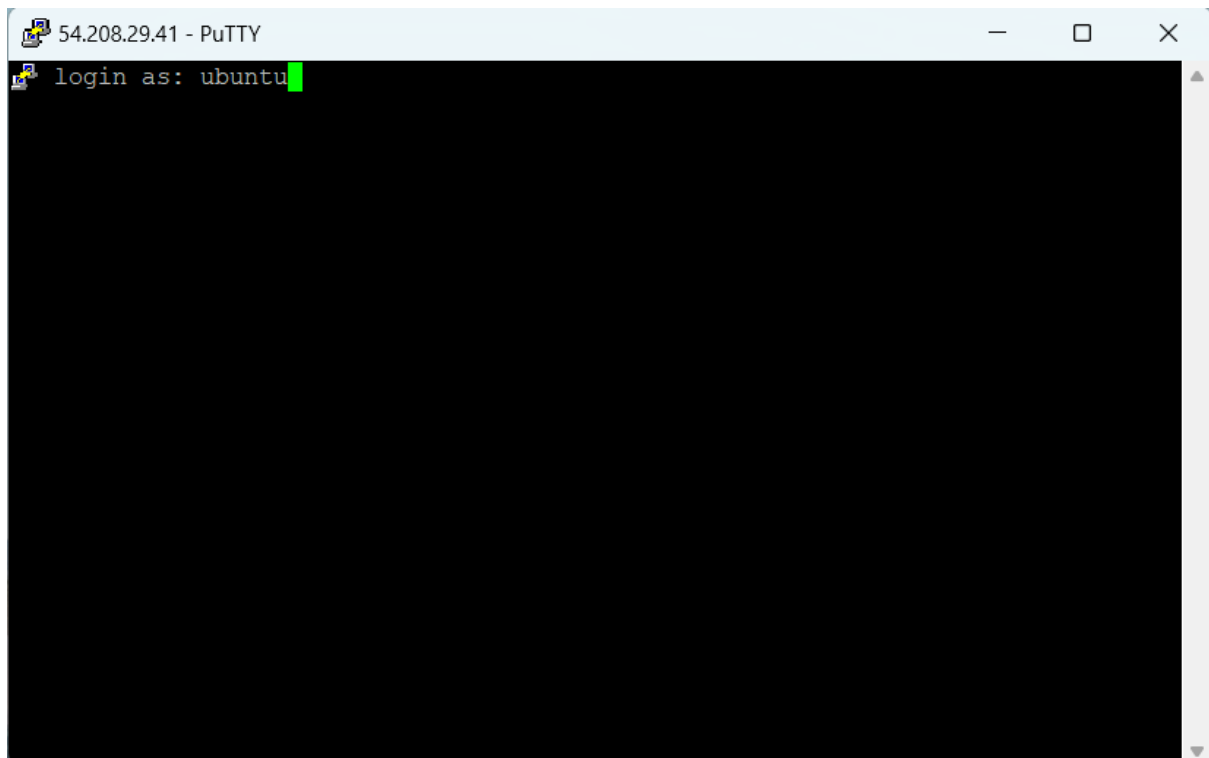

Now come back to putty browse your file

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


```
  System information as of Mon Apr  1 08:07:05 UTC 2024

  System load:   0.0               Processes:             97
  Usage of /:    20.7% of 7.57GB   Users logged in:       0
  Memory usage:  21%               IPv4 address for eth0: 172.31.83.171
  Swap usage:    0%


Expanded Security Maintenance for Applications is not enabled.

0 updates can be applied immediately.

Enable ESM Apps to receive additional future security updates.
See https://ubuntu.com/esm or run: sudo pro status


The list of available updates is more than a week old.
To check for new updates run: sudo apt update

Last login: Mon Apr  1 07:25:46 2024 from 18.206.107.27
To run a command as administrator (user "root"), use "sudo <command>".
See "man sudo_root" for details.

ubuntu@ip-172-31-83-171:~$
```

Thank You