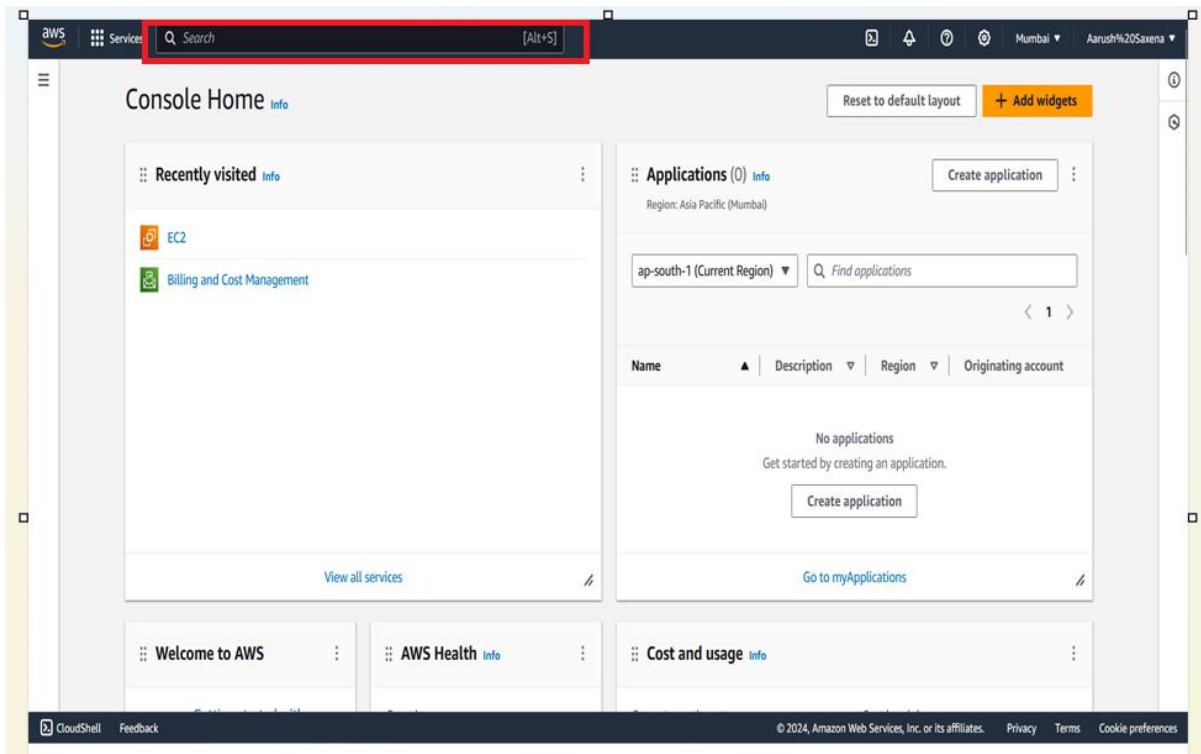
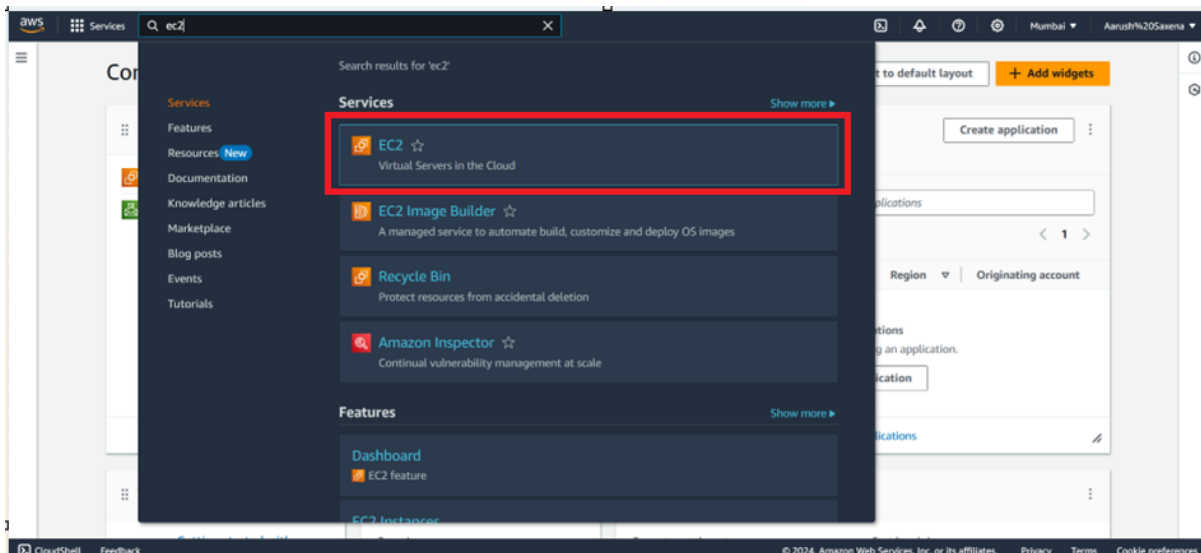


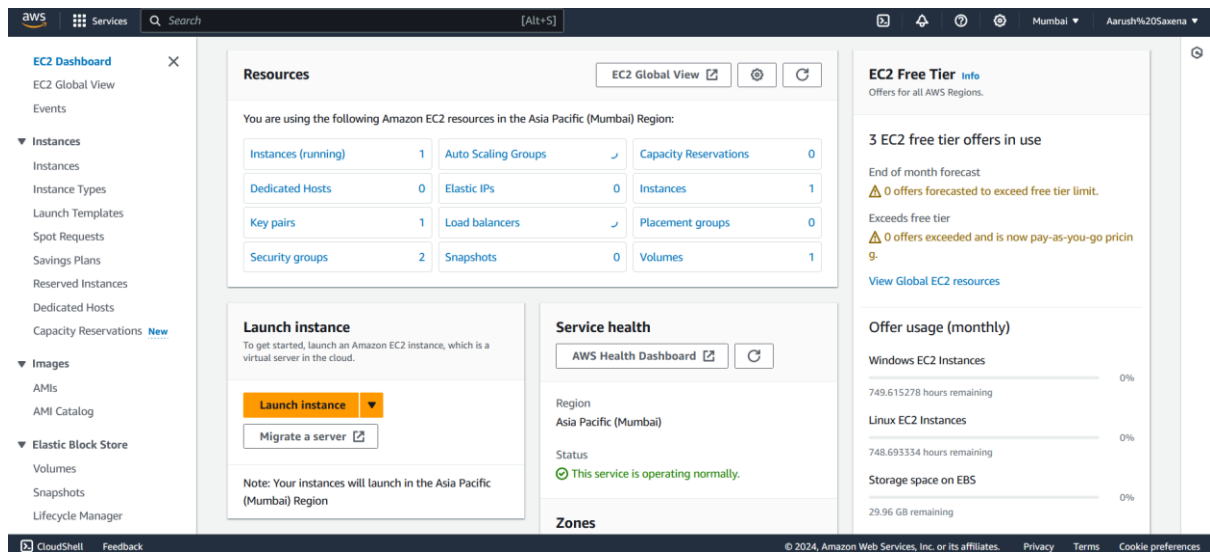
When we log-in to our aws account a window will appear as image given below



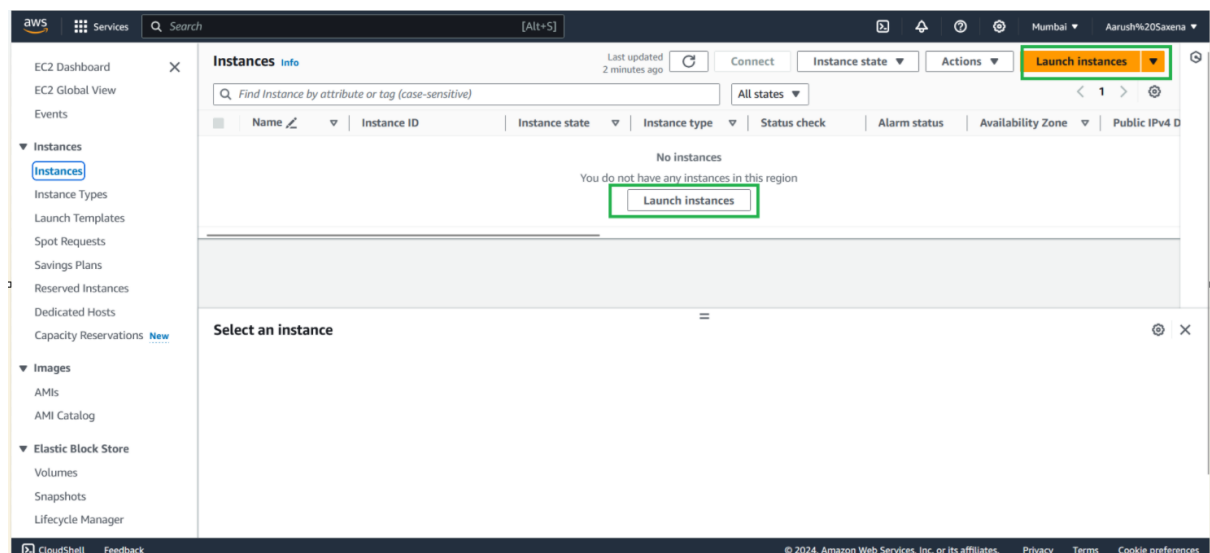
Step1: Click on searchbar and type EC2 click on it



Once you clicked on that a window will appear as shown in image given below

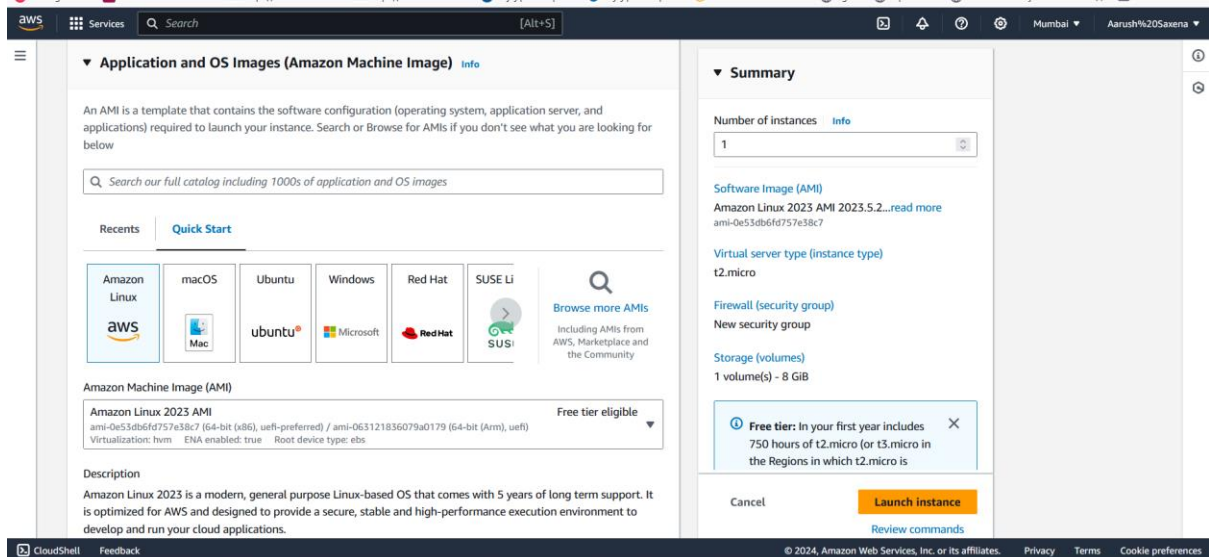


Step2: Now click on Instances to make instances .If you ever made an instance in that region all instances will appear in that region. Click on Launch Instance.

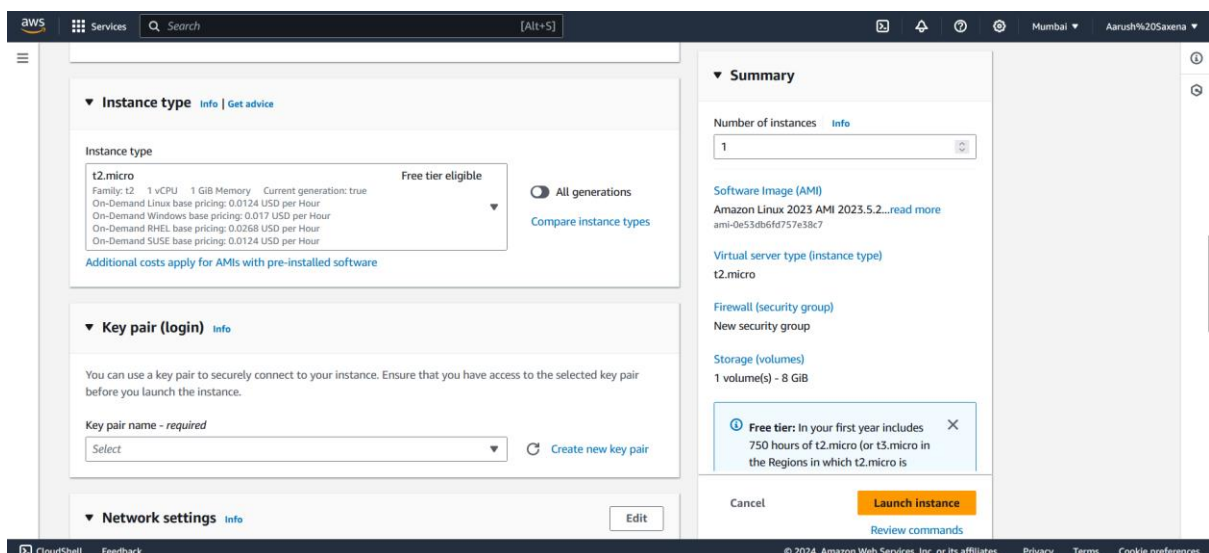


As you click on Launch instance a window will appear as shown in image given below .

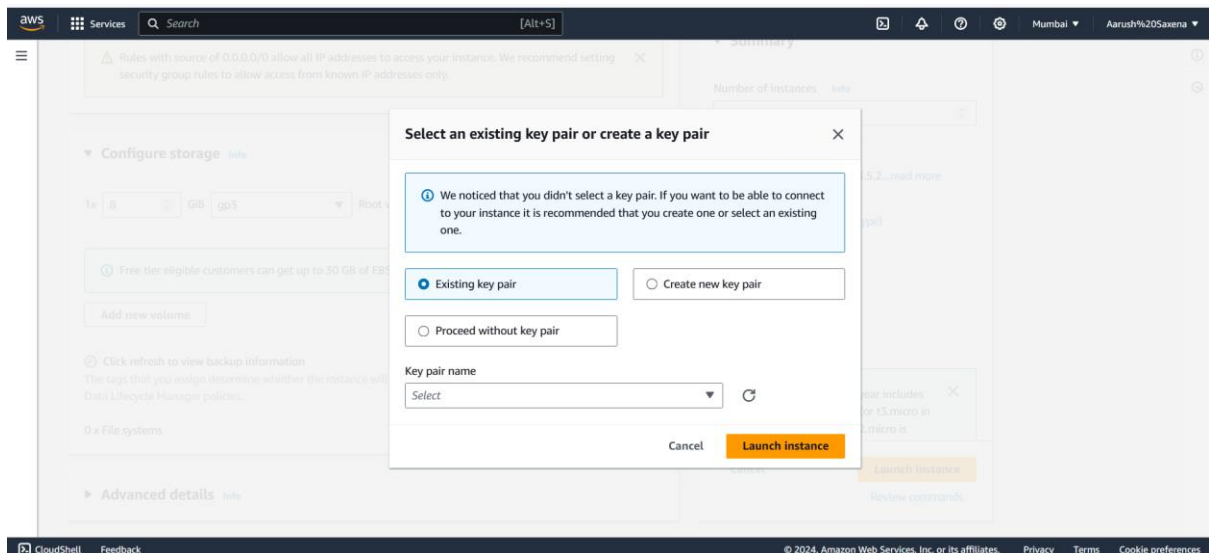
Step3: Name your instance as your wish and choose your suitable instance's Operating system to work on it



Step4: Choose instance type as your wish or as your requirement



After that click on create new key pair and a window will appear as shown in image given below



As I have an existing key pair, it's showing something like this as you don't have one click on create new key pair and leave other settings to default.

And remember it where you are saving it so that you can use it in future or run your ssh through cmd or other by entering to that path

Select an existing key pair or create a key pair

We noticed that you didn't select a key pair. If you want to be able to connect to your instance it is recommended that you create one or select an existing one.

☐ Existing key pair

☒ Create new key pair

☐ Proceed without key pair

Key pair name

Key pairs allow you to connect to your instance securely.

Enter key pair name

The name can include up to 255 ASCII characters. It can't include leading or trailing spaces.

Key pair type

☒ RSA

RSA encrypted private and public key pair

☐ ED25519

ED25519 encrypted private and public key pair

Private key file format

☒ .pem

For use with OpenSSH

☐ .ppk

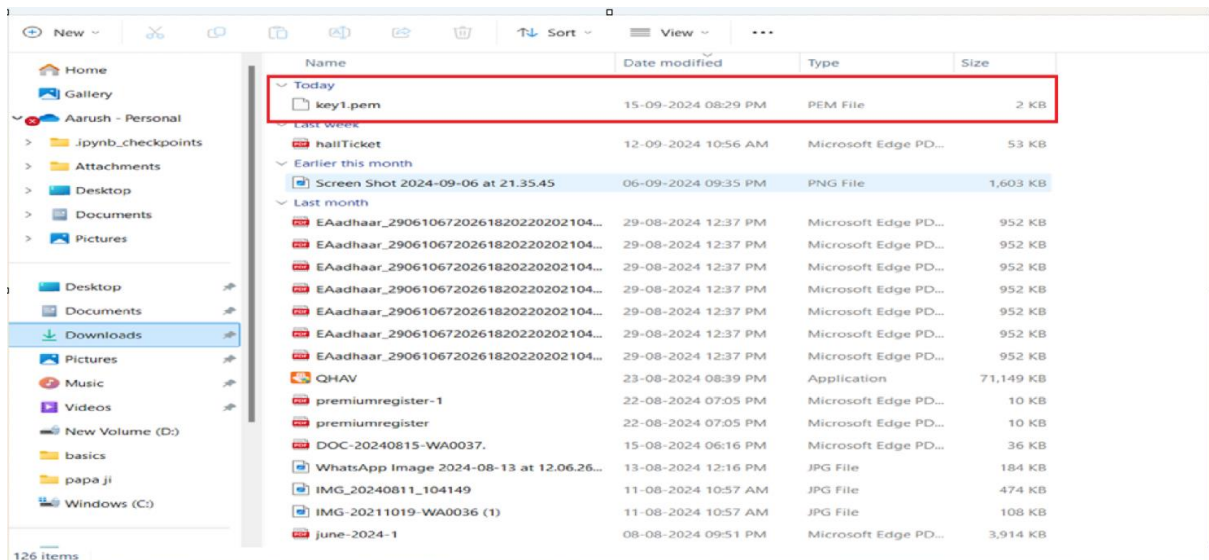
For use with PuTTY

When prompted, store the private key in a secure and accessible location on your computer. You will need it later to connect to your instance. [Learn more](#)

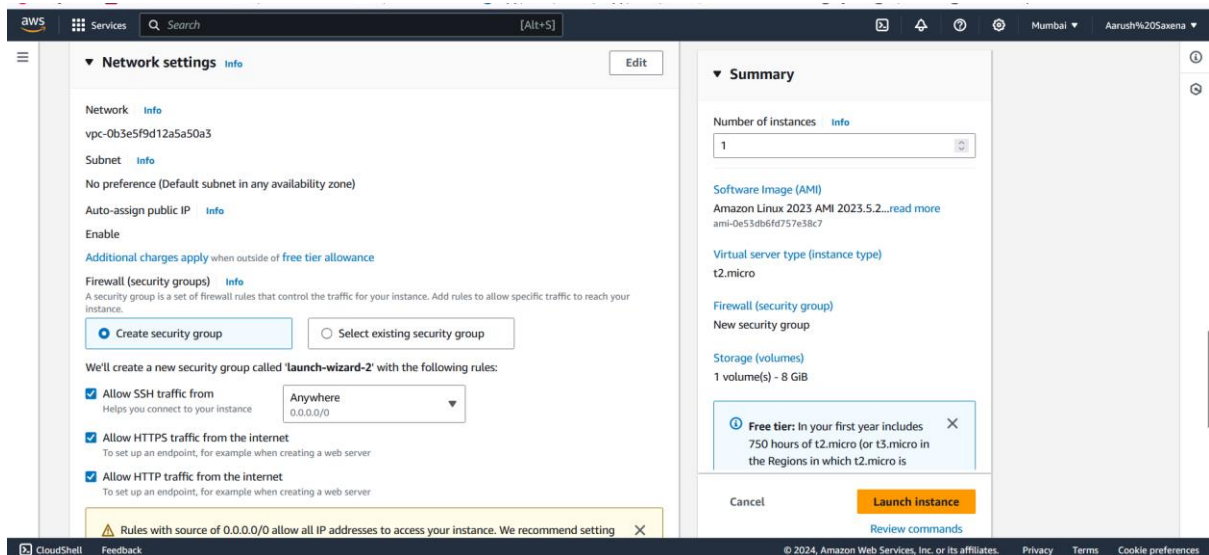
Cancel

Launch instance

As I save a key pair on my downloads folder it will appear like this

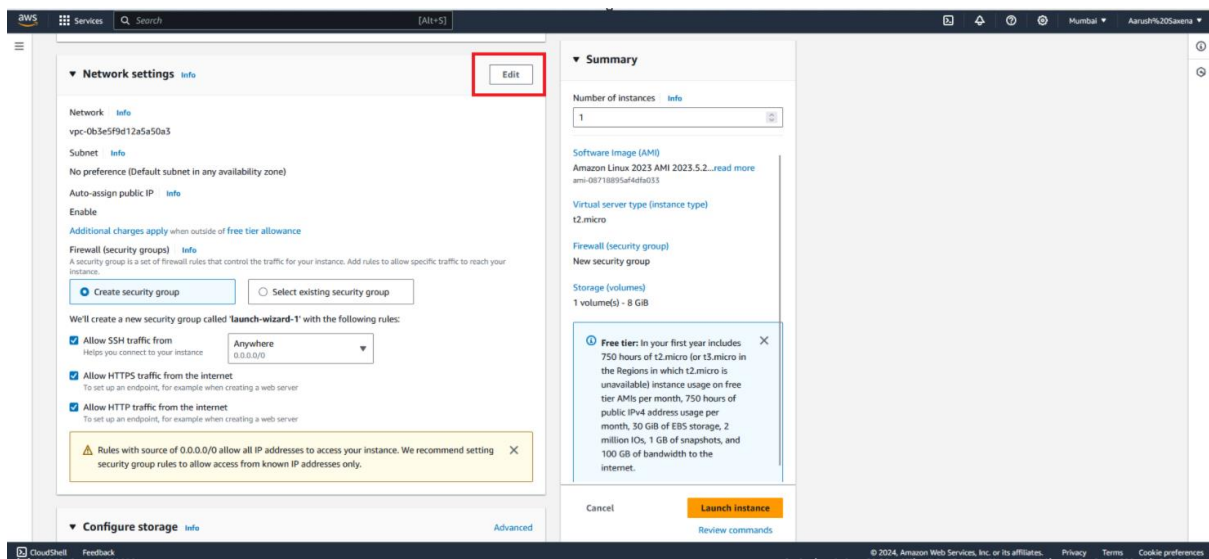


Step5: After that remember to allow HTTPS, traffic from the internet option so that you can host your website through internet on browsers

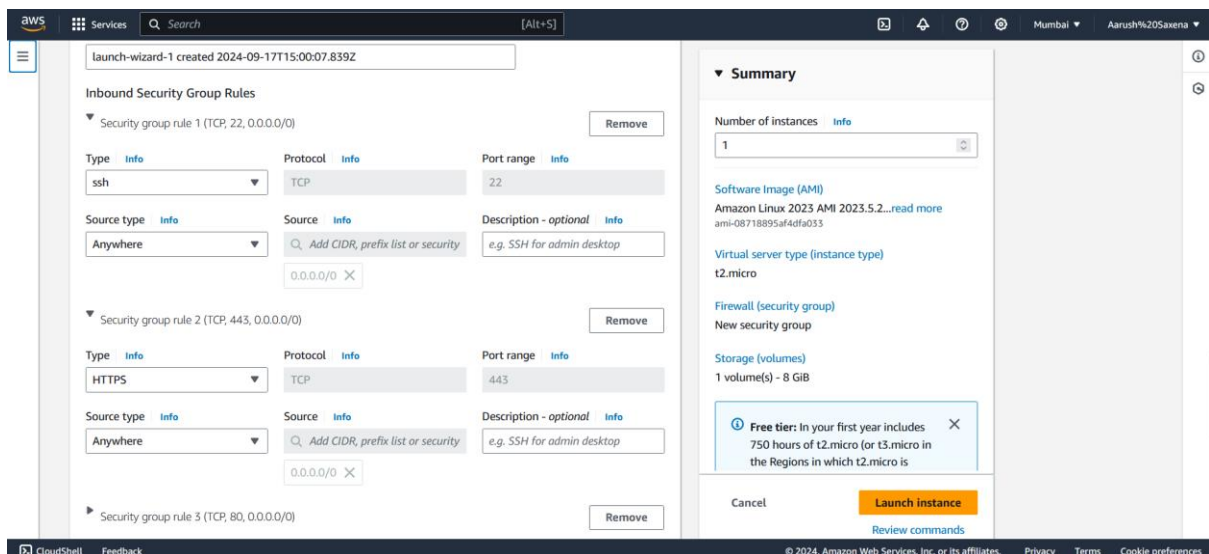


Leave other settings to default settings

## Step6: Click on edit option of Network settings

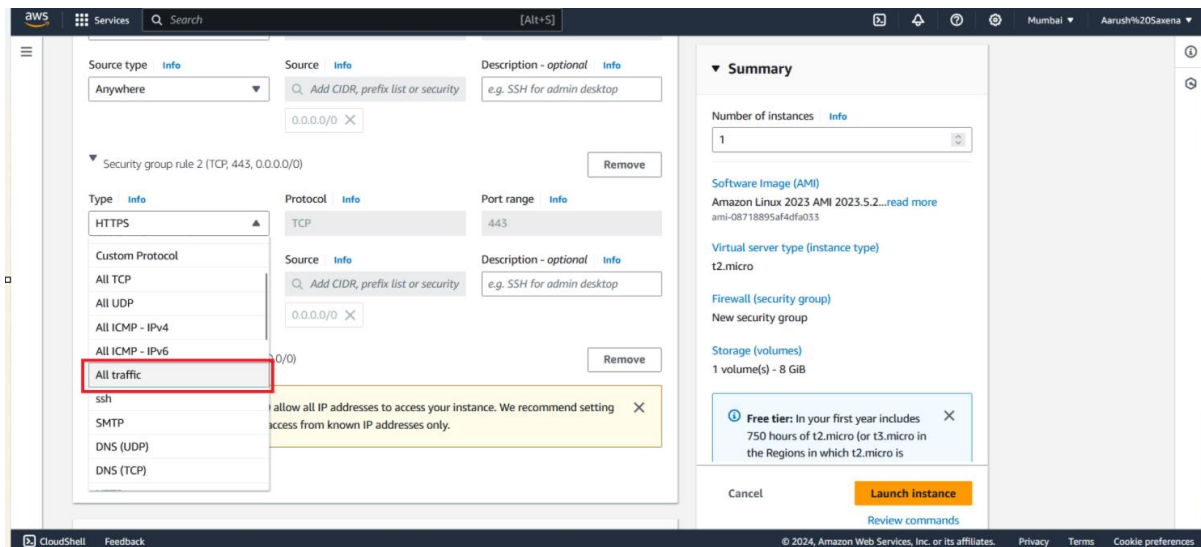


By default it shows options like this image given below

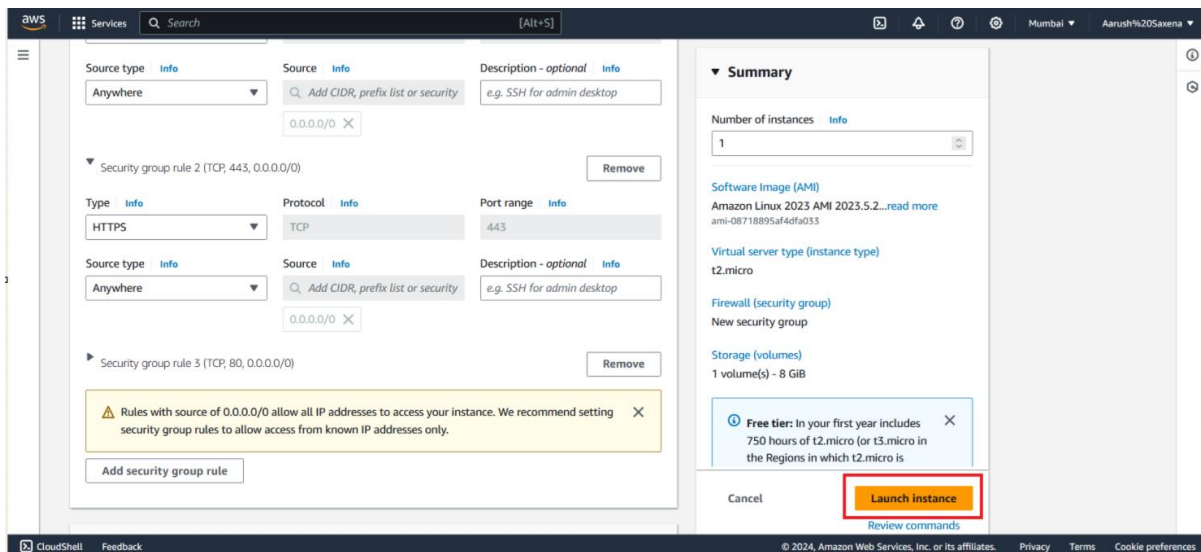




And now we have to change types so that we can allow all traffics to acces our website

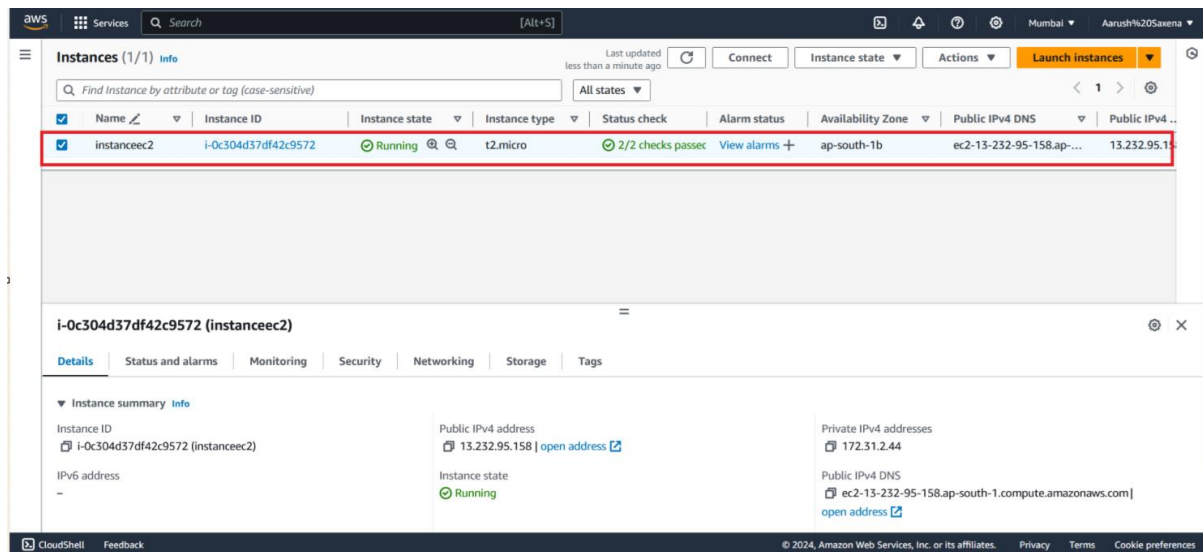


Step7: After that click on launch instances



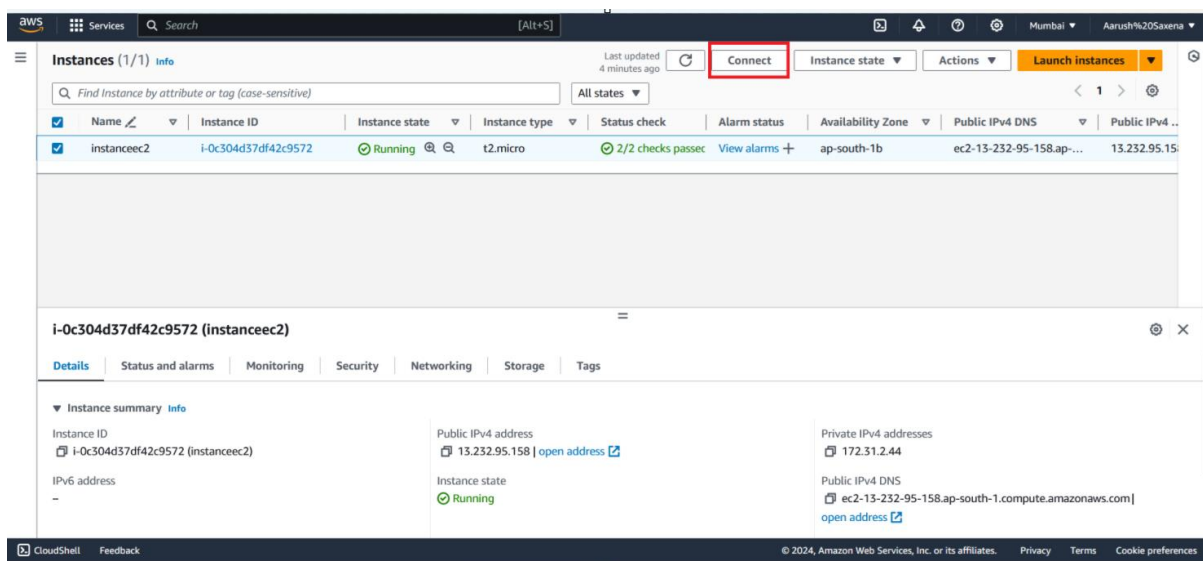


Your instance now has been created

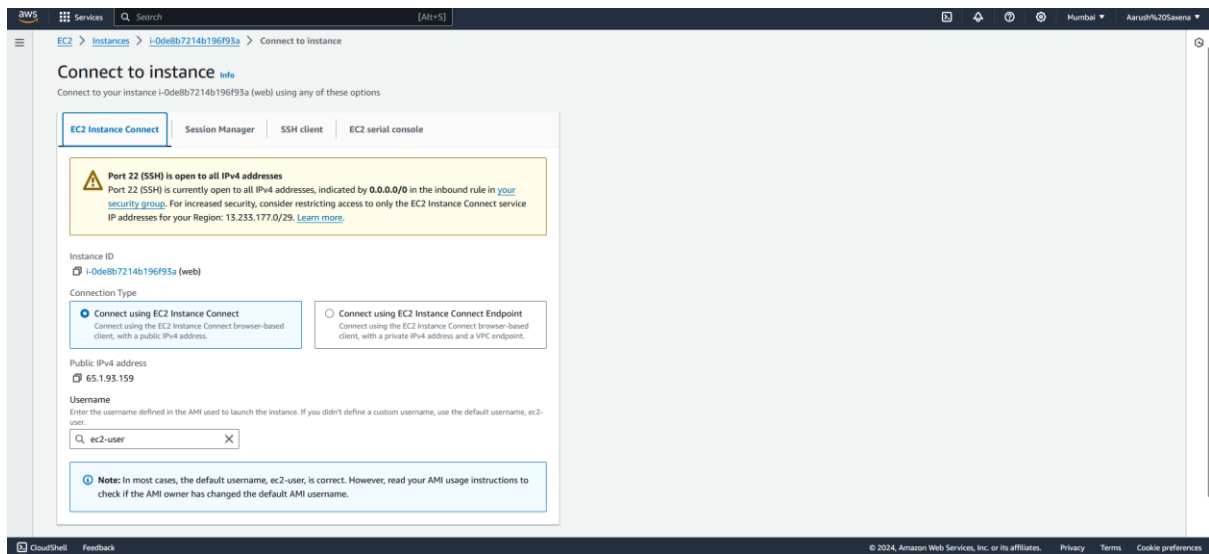


Now you can connect it through cmd, terminal, windows powershell and through aws ec2 connect.

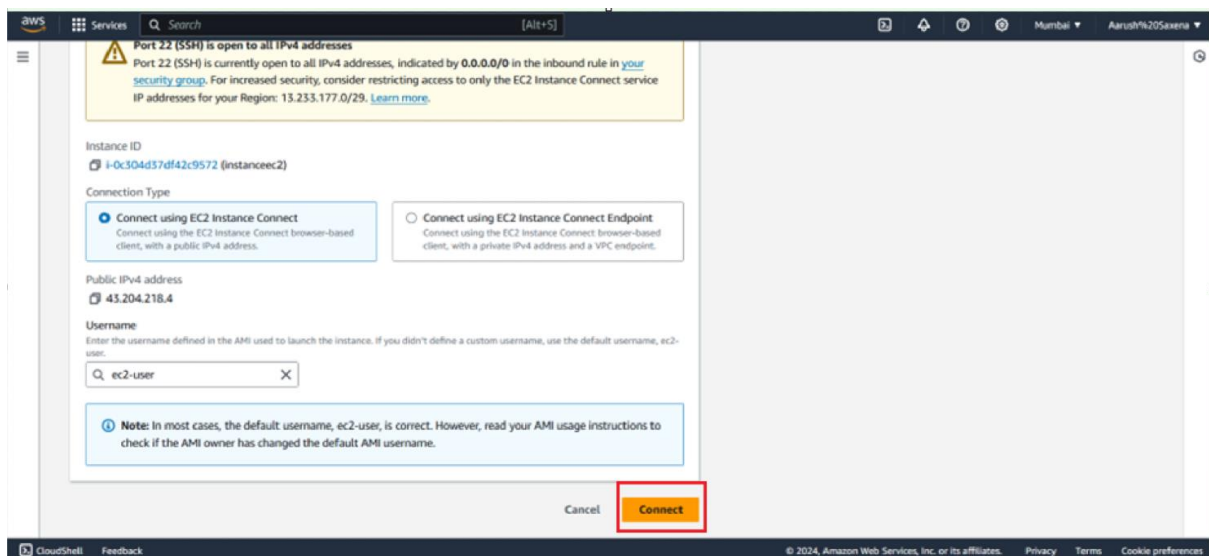
Step8: Now select your instance and click on connect button



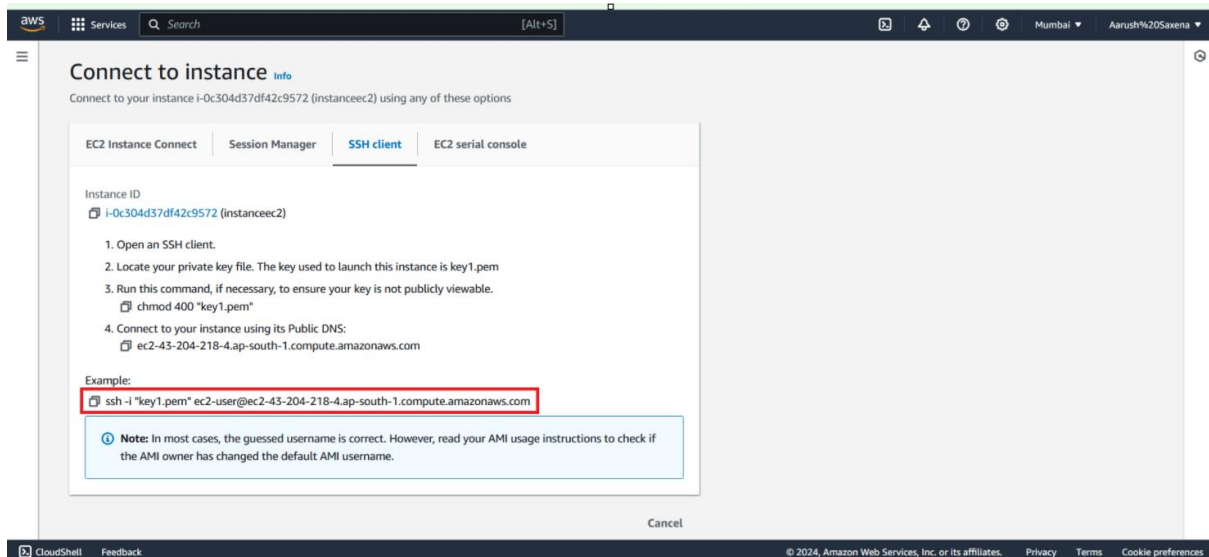
Step9: After clicking it shows like this as in the picture given below



So to connect aws ec2 connect we can simply click on connect button



Step10: We are going to connect it through cmd

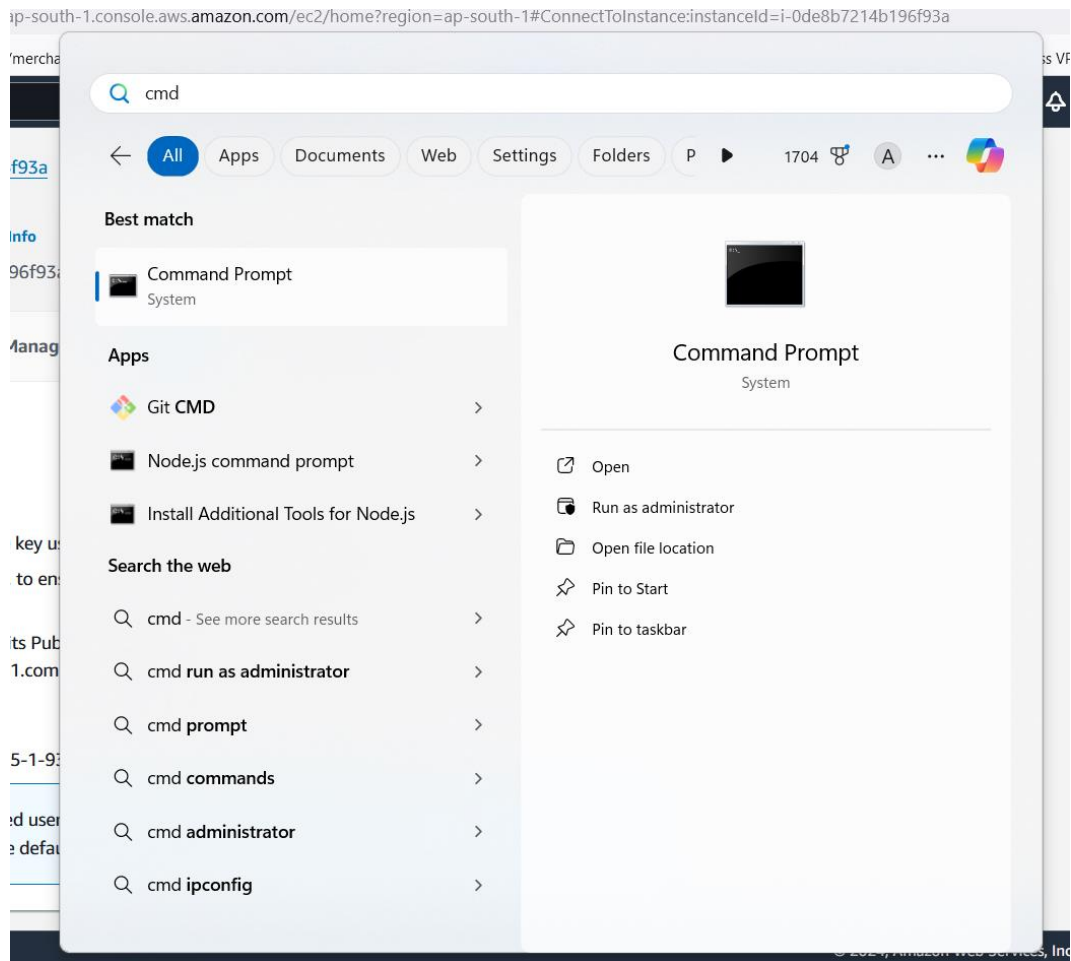


Copy this path and paste it to your directory where you download that key

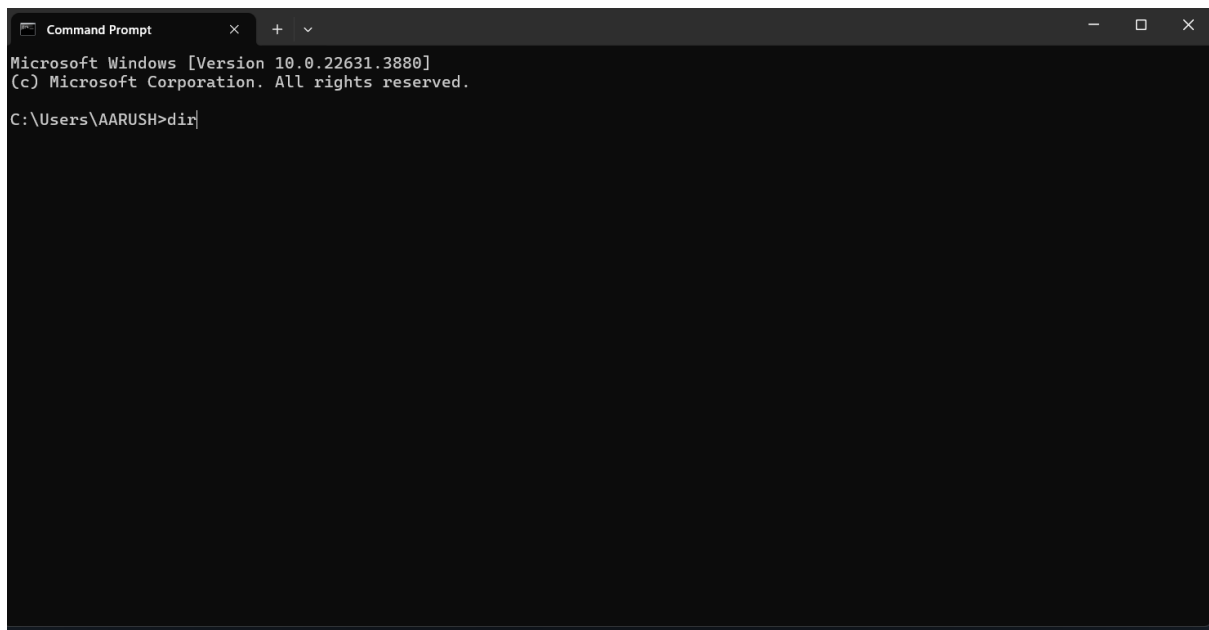
Step11: Go to search bar and type cmd

And go to your directory where you have downloaded your key or .pem file by using cd(change directory) command

And search there that your file exists there or not by using command ls -a



As I downloaded my key in downloads directory go to there



```
Command Prompt
Directory of C:\Users\AARUSH
15-09-2024 20:17 <DIR> .
27-07-2024 13:27 <DIR> ..
04-07-2024 17:48 <DIR> .android
13-09-2024 22:20 744 .bash_history
28-07-2023 22:43 <DIR> .cache
14-09-2023 20:51 25 .gitconfig
24-12-2023 18:06 20 .lessht
24-08-2024 22:29 1,016 .node_repl_history
16-05-2024 23:36 320 .packettracer
28-07-2023 22:42 <DIR> .redhat
13-09-2024 22:20 1,006 .viminfo
26-07-2023 23:20 <DIR> .vscode
16-05-2024 23:37 <DIR> Cisco Packet Tracer 8.2.2
25-07-2023 23:57 <DIR> Contacts
23-08-2024 20:43 <DIR> Documents
15-09-2024 20:29 <DIR> Downloads
25-07-2023 23:57 <DIR> Favorites
25-07-2023 23:57 <DIR> Links
25-07-2023 23:57 <DIR> Music
20-11-2023 21:05 2,240,512 mysql-installer-web-community-8.0.35.0.msi
15-09-2024 20:17 <DIR> OneDrive
25-07-2023 23:57 <DIR> Saved Games
25-07-2023 17:06 <DIR> Searches
03-08-2023 22:17 <DIR> Videos
7 File(s) 2,243,643 bytes
17 Dir(s) 180,957,532,160 bytes free

C:\Users\AARUSH>cd Downloads|
```

As to confirm that your key actually present there or not type command ls -a

```
Command Prompt
C:\Users\AARUSH>cd Downloads
C:\Users\AARUSH\Downloads>ls
 '!qhlogs.doc'
 11.docx
237041100208.pdf
26020131226130447575.pdf
63747ce581f7a5a0ea538209eab082d81375621c0356235660d787923362eb0d_encrypt_signedFinal.pdf
736803cb8ffc12a290ff6355dd5b9fc6a0b4640720c32c23a19d1014a5294e10_encrypt_signedFinal.pdf
AAJ3559044.pdf
'AARUSH_SAXENA.pdf'
'ARUN_FRONT.pdf'
Acctstmt_B.pdf
'Acctstmt_H (1).pdf'
'Acctstmt_H (2).pdf'
Acctstmt_H.pdf
Acctstmt_L.pdf
'CONSOLIDATED_PREMIUM_PAID_STMT_2023-2024 (1).pdf'
CONSOLIDATED_PREMIUM_PAID_STMT_2023-2024.pdf
CONSOLIDATED_PREMIUM_PAID_STMT_2024-2025.pdf
DOC-20240815-WA0037..pdf
EAadhaar_0000008900678020231116123310_08052024135755.pdf
EAadhaar_0000008900678020231116123310_0805202414521.pdf
EAadhaar_1007606740074220110704141852_08052024123811.pdf
EAadhaar_2189123589095020170927133710_0505202413405.pdf
'EAadhaar_2906106720261820220202104000_29082024122450 (1).pdf'
'EAadhaar_2906106720261820220202104000_29082024122450 (2).pdf'
'EAadhaar_2906106720261820220202104000_29082024122450 (3).pdf'
'EAadhaar_2906106720261820220202104000_29082024122450 (4).pdf'
'EAadhaar_2906106720261820220202104000_29082024122450 (5).pdf'
```







```
root@ip-172-31-3-216/ho x + v
Installing      : httpd-2.4.62-1.amzn2023.x86_64 12/12
Running scriptlet: httpd-2.4.62-1.amzn2023.x86_64 12/12
Verifying      : apr-1.7.2-2.amzn2023.0.2.x86_64 1/12
Verifying      : apr-util-1.6.3-1.amzn2023.0.1.x86_64 2/12
Verifying      : apr-util-openssl-1.6.3-1.amzn2023.0.1.x86_64 3/12
Verifying      : generic-logos-httpd-18.0.0-12.amzn2023.0.3.noarch 4/12
Verifying      : httpd-2.4.62-1.amzn2023.x86_64 5/12
Verifying      : httpd-core-2.4.62-1.amzn2023.x86_64 6/12
Verifying      : httpd-filesystem-2.4.62-1.amzn2023.noarch 7/12
Verifying      : httpd-tools-2.4.62-1.amzn2023.x86_64 8/12
Verifying      : libbrotli-1.0.9-4.amzn2023.0.2.x86_64 9/12
Verifying      : mailcap-2.1.49-3.amzn2023.0.3.noarch 10/12
Verifying      : mod_http2-2.0.27-1.amzn2023.0.3.x86_64 11/12
Verifying      : mod_lua-2.4.62-1.amzn2023.x86_64 12/12

Installed:
apr-1.7.2-2.amzn2023.0.2.x86_64          apr-util-1.6.3-1.amzn2023.0.1.x86_64
apr-util-openssl-1.6.3-1.amzn2023.0.1.x86_64
httpd-2.4.62-1.amzn2023.x86_64          generic-logos-httpd-18.0.0-12.amzn2023.0.3.noarch
httpd-filesystem-2.4.62-1.amzn2023.noarch httpd-core-2.4.62-1.amzn2023.x86_64
libbrotli-1.0.9-4.amzn2023.0.2.x86_64   httpd-tools-2.4.62-1.amzn2023.x86_64
mod_http2-2.0.27-1.amzn2023.0.3.x86_64  mailcap-2.1.49-3.amzn2023.0.3.noarch
mod_lua-2.4.62-1.amzn2023.x86_64        mod_lua-2.4.62-1.amzn2023.x86_64

Complete!
[root@ip-172-31-3-216 ec2-user]# systemctl status httpd
o httpd.service - The Apache HTTP Server
   Loaded: loaded (/usr/lib/systemd/system/httpd.service; disabled; preset: disabled)
   Active: inactive (dead)
     Docs: man:httpd.service(8)
[root@ip-172-31-3-216 ec2-user]#
```

Step17: Now to turn on the server we have to type this command `systemctl start httpd`

```
root@ip-172-31-3-216/home/ x + v
Installing      : httpd-2.4.62-1.amzn2023.x86_64 12/12
Running scriptlet: httpd-2.4.62-1.amzn2023.x86_64 12/12
Verifying      : apr-1.7.2-2.amzn2023.0.2.x86_64 1/12
Verifying      : apr-util-1.6.3-1.amzn2023.0.1.x86_64 2/12
Verifying      : apr-util-openssl-1.6.3-1.amzn2023.0.1.x86_64 3/12
Verifying      : generic-logos-httpd-18.0.0-12.amzn2023.0.3.noarch 4/12
Verifying      : httpd-2.4.62-1.amzn2023.x86_64 5/12
Verifying      : httpd-core-2.4.62-1.amzn2023.x86_64 6/12
Verifying      : httpd-filesystem-2.4.62-1.amzn2023.noarch 7/12
Verifying      : httpd-tools-2.4.62-1.amzn2023.x86_64 8/12
Verifying      : libbrotli-1.0.9-4.amzn2023.0.2.x86_64 9/12
Verifying      : mailcap-2.1.49-3.amzn2023.0.3.noarch 10/12
Verifying      : mod_http2-2.0.27-1.amzn2023.0.3.x86_64 11/12
Verifying      : mod_lua-2.4.62-1.amzn2023.x86_64 12/12

Installed:
apr-1.7.2-2.amzn2023.0.2.x86_64          apr-util-1.6.3-1.amzn2023.0.1.x86_64
apr-util-openssl-1.6.3-1.amzn2023.0.1.x86_64
httpd-2.4.62-1.amzn2023.x86_64          generic-logos-httpd-18.0.0-12.amzn2023.0.3.noarch
httpd-filesystem-2.4.62-1.amzn2023.noarch httpd-core-2.4.62-1.amzn2023.x86_64
libbrotli-1.0.9-4.amzn2023.0.2.x86_64   httpd-tools-2.4.62-1.amzn2023.x86_64
mod_http2-2.0.27-1.amzn2023.0.3.x86_64  mailcap-2.1.49-3.amzn2023.0.3.noarch
mod_lua-2.4.62-1.amzn2023.x86_64        mod_lua-2.4.62-1.amzn2023.x86_64

Complete!
[root@ip-172-31-3-216 ec2-user]# systemctl status httpd
o httpd.service - The Apache HTTP Server
   Loaded: loaded (/usr/lib/systemd/system/httpd.service; disabled; preset: disabled)
   Active: inactive (dead)
     Docs: man:httpd.service(8)
[root@ip-172-31-3-216 ec2-user]# systemctl start httpd
```

Now you can see that the services has been started

```
mod_http2-2.0.27-1.amzn2023.0.3.x86_64      mod_lua-2.4.62-1.amzn2023.x86_64

Complete!
[root@ip-172-31-3-216 ec2-user]# systemctl status httpd
o httpd.service - The Apache HTTP Server
   Loaded: loaded (/usr/lib/systemd/system/httpd.service; disabled; preset: disabled)
   Active: inactive (dead)
     Docs: man:httpd.service(8)
[root@ip-172-31-3-216 ec2-user]# systemctl start httpd
[root@ip-172-31-3-216 ec2-user]# systemctl status httpd
• httpd.service - The Apache HTTP Server
  Loaded: loaded (/usr/lib/systemd/system/httpd.service; disabled; preset: disabled)
  Active: active (running) since Sun 2024-09-15 15:17:56 UTC; 12s ago
     Docs: man:httpd.service(8)
  Main PID: 26100 (httpd)
    Status: "Total requests: 0; Idle/Busy workers 100/0; Requests/sec: 0; Bytes served/sec: 0 B/sec"
    Tasks: 177 (limit: 1112)
   Memory: 12.9M
      CPU: 70ms
  CGroup: /system.slice/httpd.service
          └─26100 /usr/sbin/httpd -DFOREGROUND
            └─26101 /usr/sbin/httpd -DFOREGROUND
              └─26102 /usr/sbin/httpd -DFOREGROUND
                └─26103 /usr/sbin/httpd -DFOREGROUND
                  └─26104 /usr/sbin/httpd -DFOREGROUND

Sep 15 15:17:56 ip-172-31-3-216.ap-south-1.compute.internal systemd[1]: Starting httpd.service - The Apache HTTP Server
Sep 15 15:17:56 ip-172-31-3-216.ap-south-1.compute.internal systemd[1]: Started httpd.service - The Apache HTTP Server.
Sep 15 15:17:56 ip-172-31-3-216.ap-south-1.compute.internal httpd[26100]: Server configured, listening on: port 80
lines 1-19/19 (END)
```

Now we have to go var/www/html

```
root@ip-172-31-3-216:/var/www  x  +  v

[root@ip-172-31-3-216 ec2-user]# cd ..
[root@ip-172-31-3-216 home]# cd ..
[root@ip-172-31-3-216 /]# ls
bin  boot  dev  etc  home  lib  lib64  local  media  mnt  opt  proc  root  run  sbin  srv  sys  tmp  usr  var
[root@ip-172-31-3-216 /]# cd /var
[root@ip-172-31-3-216 var]# ls
account  cache  empty  games  lib  lock  mail  opt  run  tmp  yp
adm      db      ftp    kerberos  local  log  nis  preserve  spool  www
[root@ip-172-31-3-216 var]# cd /www
bash: cd: /www: No such file or directory
[root@ip-172-31-3-216 var]# cd www
[root@ip-172-31-3-216 www]# ls
cgi-bin  html
[root@ip-172-31-3-216 www]# cd html
[root@ip-172-31-3-216 html]# ls
[root@ip-172-31-3-216 html]#
```

Step18: As we can see there is no file created in this folder so we can make a file in it using vi,vim,cat touch commands and write our own code in it as I have multiple file so I need to install

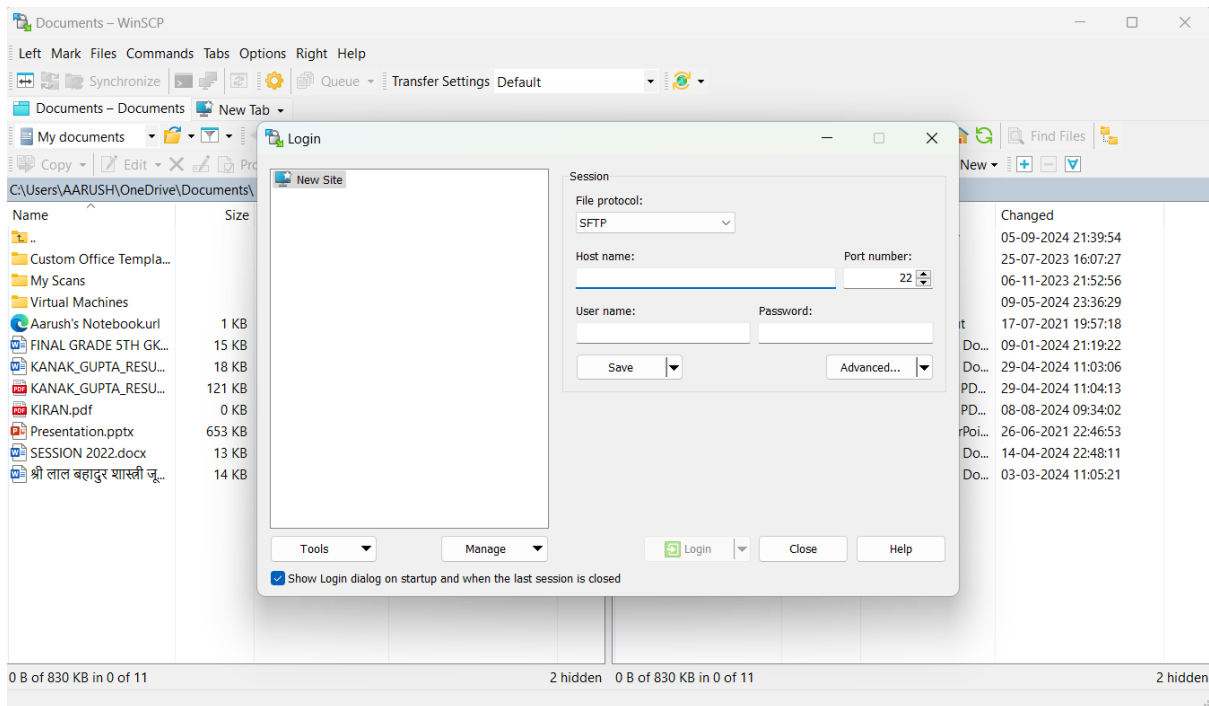
Two applications:-

- (1) Putty key gen
- (2) Win SCP

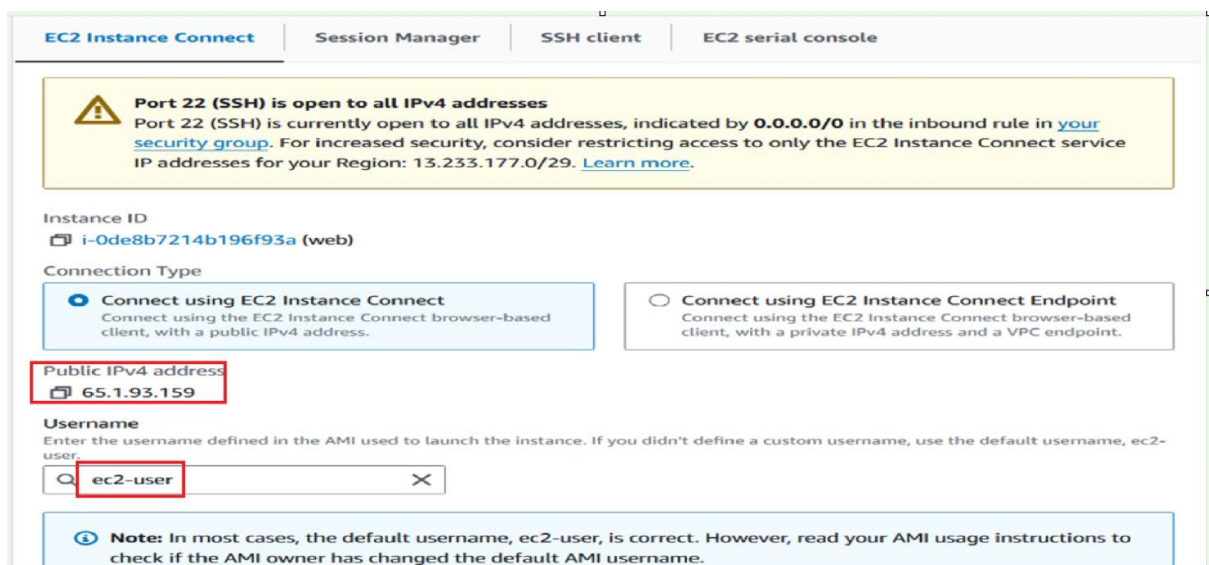
Putty key gen to generate password for win scp

And winscp helps to move multiple files from local system to remote system.

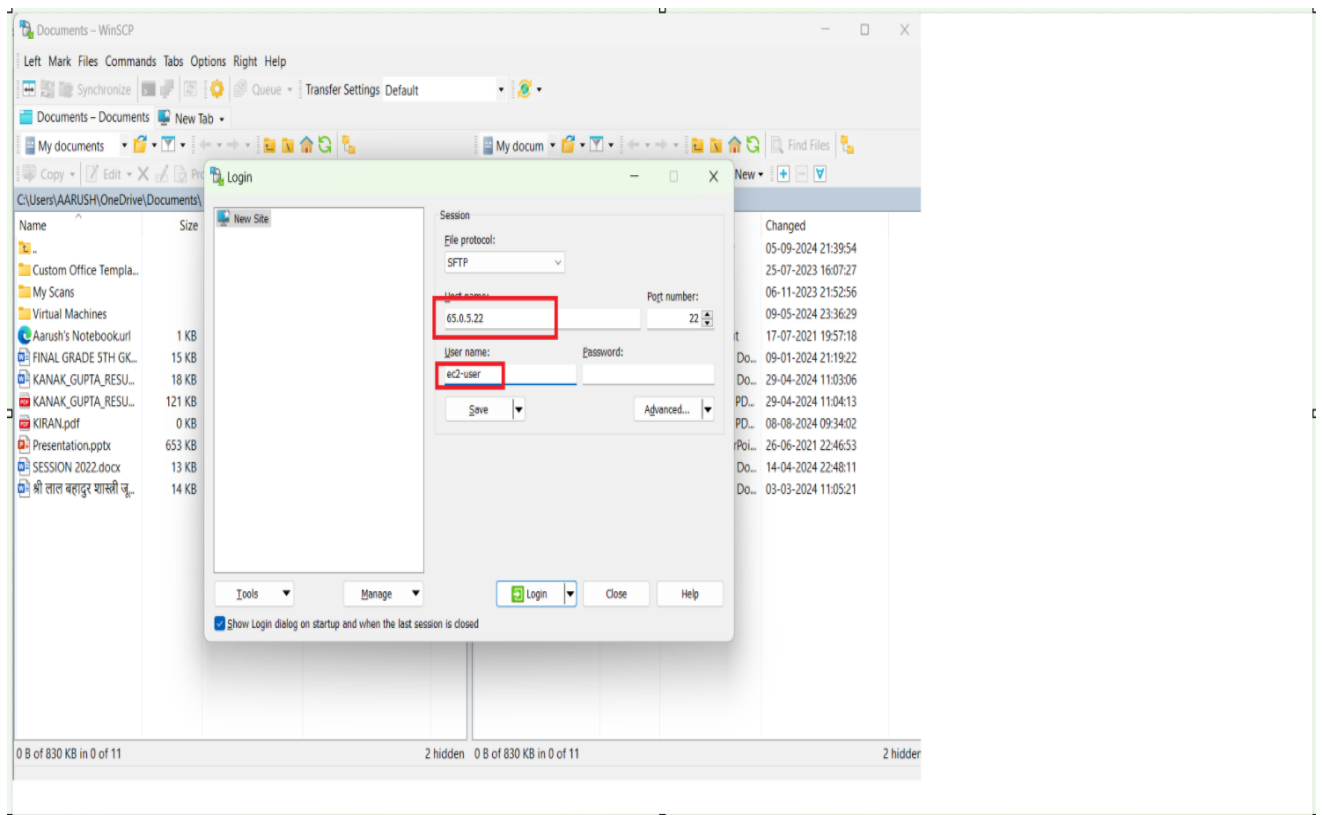
For multiple files to load



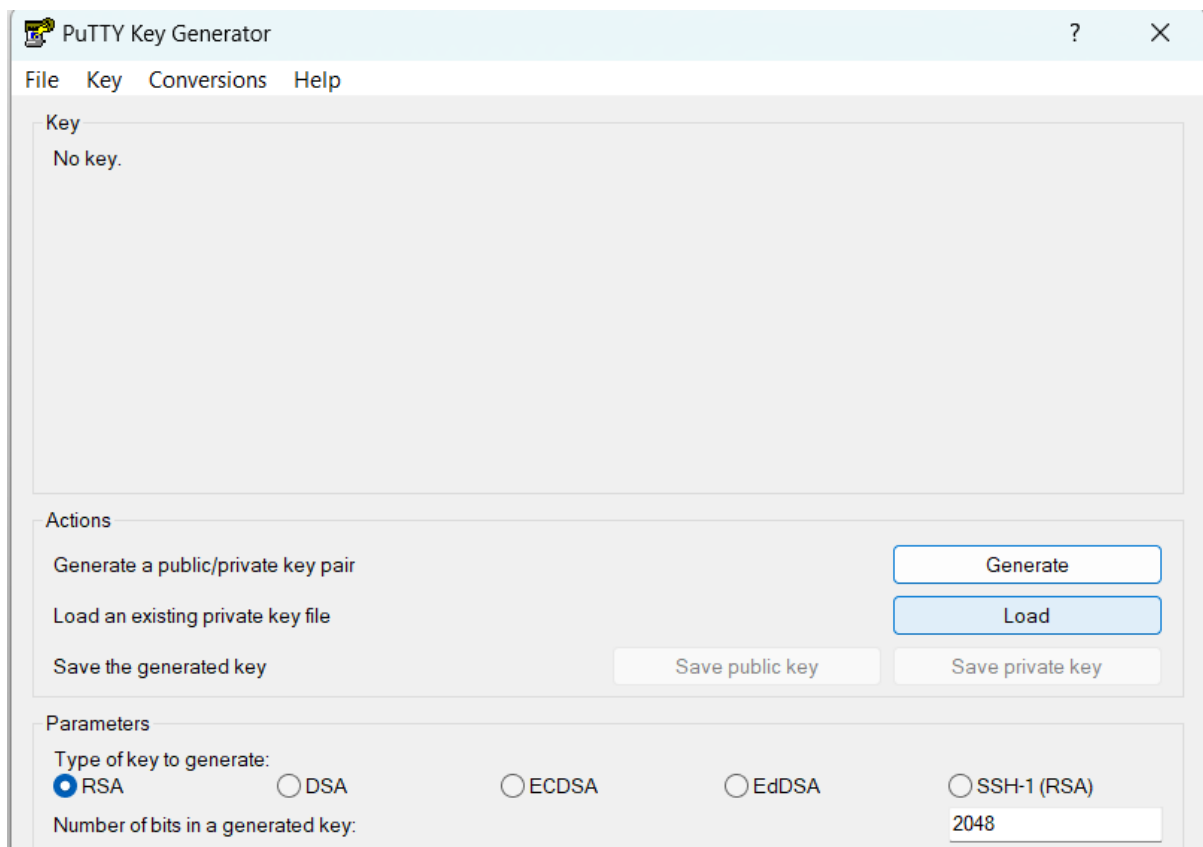
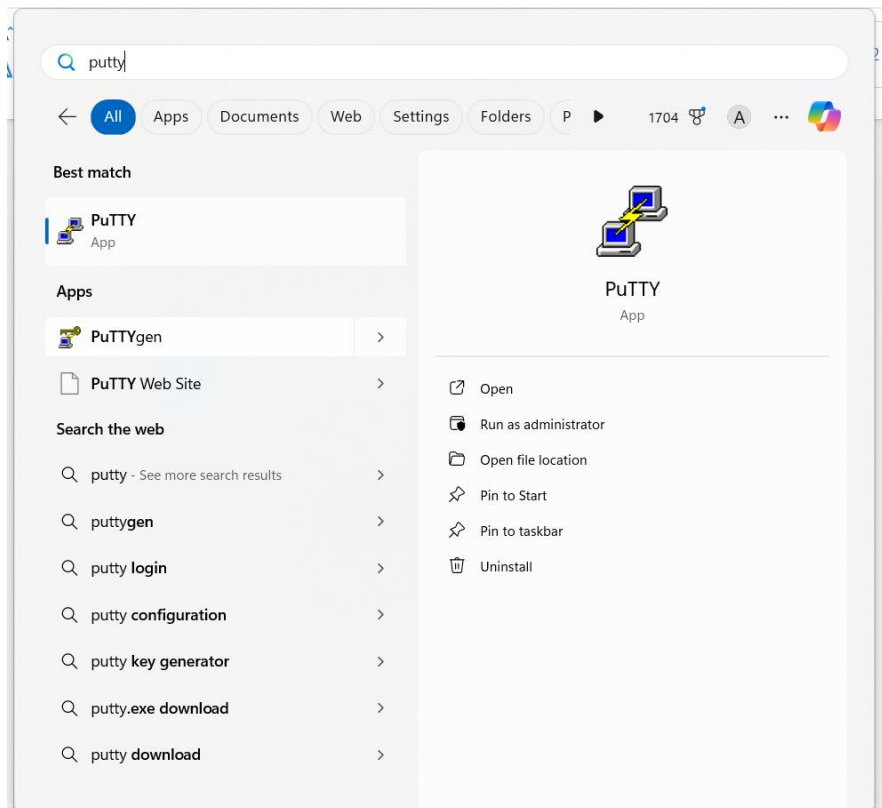
In this host name has to be ip of our instance and username also present there as shown in image given below



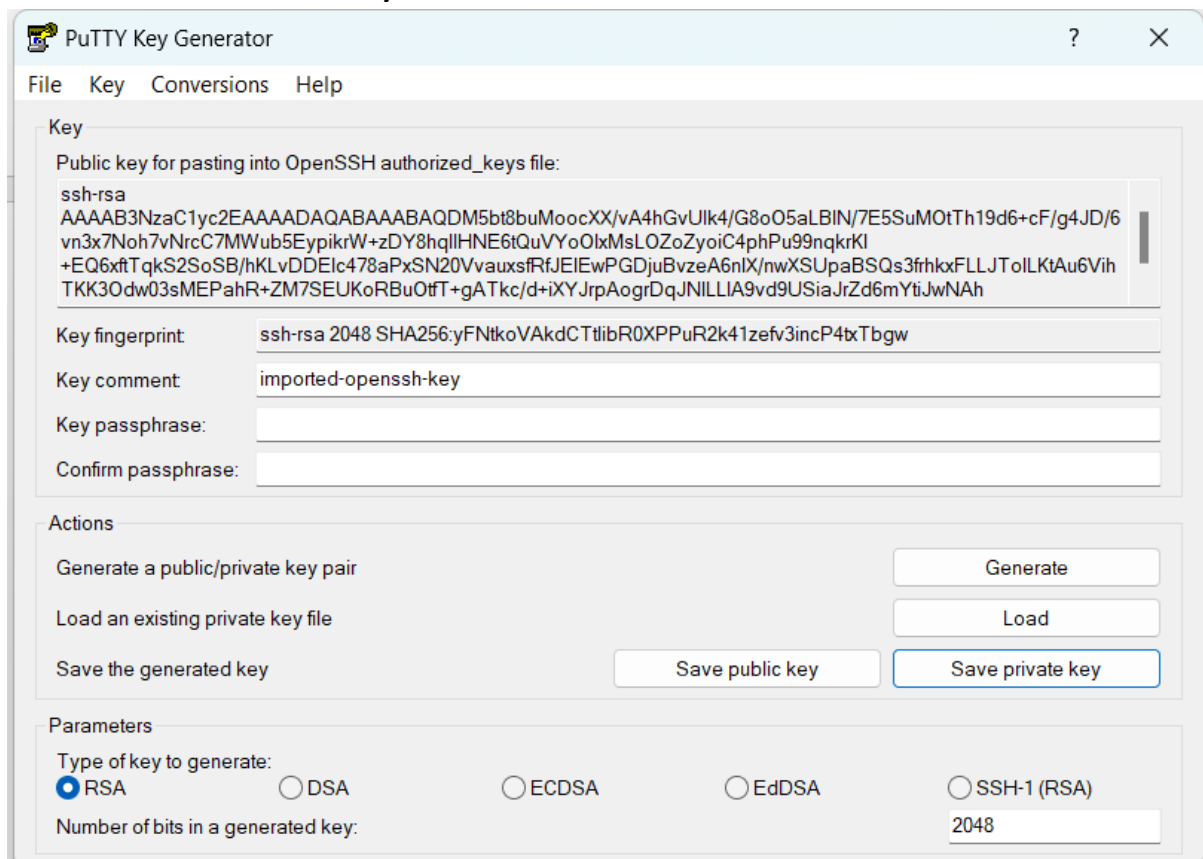
After now we need password so we have to use puttykeygen to generate password for us.



As it accept only putty file than we have to convert it into putt  
Step19: Go to searchbar and type PUTTYgen and click on  
it.After that click on load to load the key so that it will give us  
password for us.



Now we have to load the key file downloaded in downloads folder in our local system and click on Load.



The screenshot shows the PuTTY Key Generator application window. The title bar reads "PuTTY Key Generator". The menu bar includes "File", "Key", "Conversions", and "Help". The main area is divided into sections: "Key", "Actions", and "Parameters".

**Key Section:**

- Public key for pasting into OpenSSH authorized\_keys file:  
ssh-rsa  
AAAAB3NzaC1yc2EAAAADAQABAAQDM5bt8buMoocXX/vA4hGvUlk4/G8oO5aLBIN/7E5SuM0tTh19d6+cF/g4JD/6  
vn3x7Noh7vNrcC7MWub5EypikrW+zDY8hqllHNE6tQuVYoOlxMsL0ZoZyoiC4phPu99nqkrKI  
+EQ6xftTqkS2SoSB/hKLvDDElc478aPxSN20VvauxsfRfJEIEwPGDjuBvzeA6nIX/nwXSUpaBSQs3frhxxFLLJTolLKtAu6Vih  
TKK3Odw03sMEPahR+ZM7SEUKoRBuOftT+gATkc/d+iXYJrpAogrDqJNILLIA9vd9USiaJrZd6mYtiJwNAh
- Key fingerprint: ssh-rsa 2048 SHA256:yFNtkoVAKdCTtlibR0XPPuR2k41zefv3incP4txTbgw
- Key comment: imported-openssh-key
- Key passphrase: (empty field)
- Confirm passphrase: (empty field)

**Actions Section:**

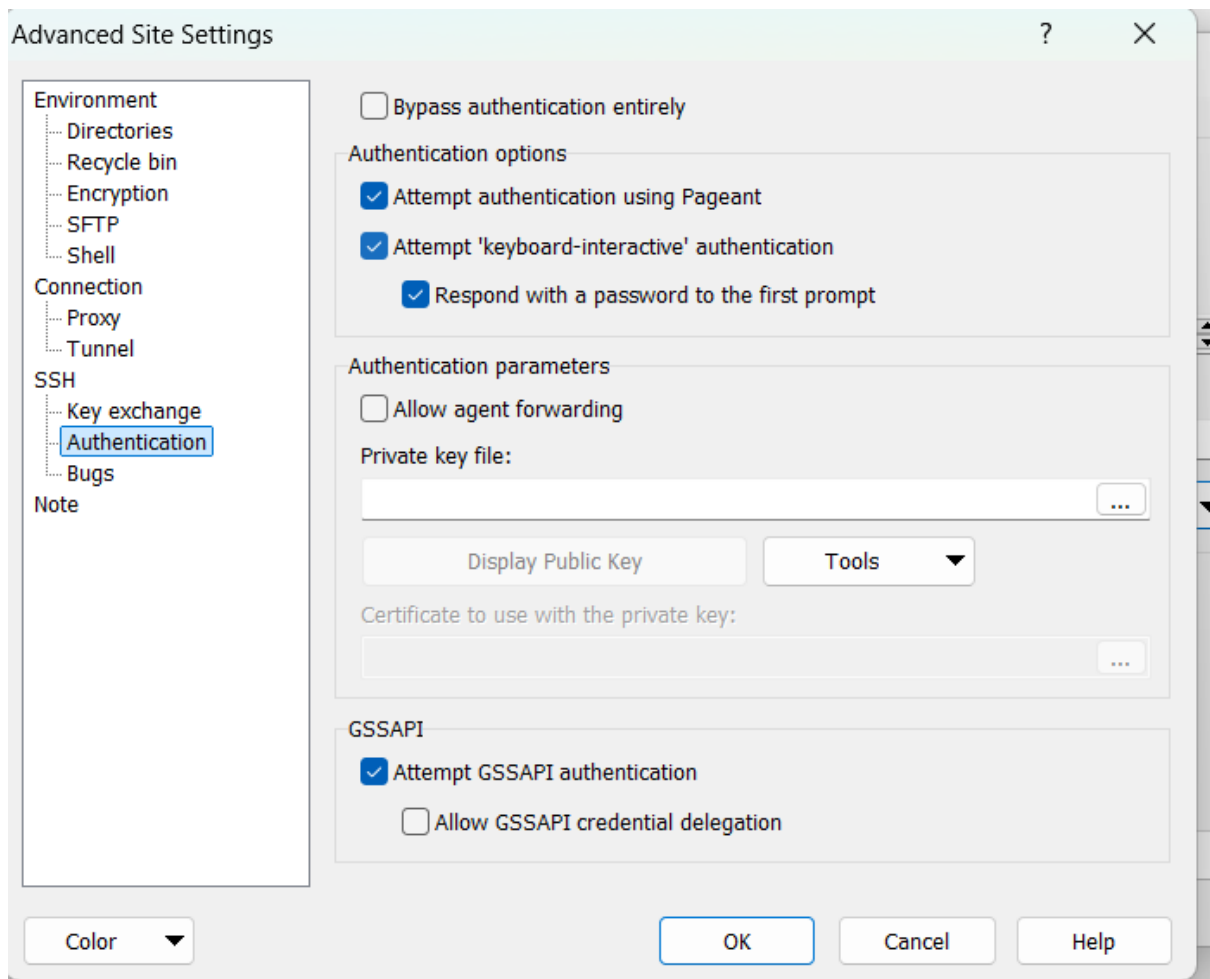
- Generate a public/private key pair (Generate button)
- Load an existing private key file (Load button)
- Save the generated key (Save public key button, Save private key button)

**Parameters Section:**

- Type of key to generate: ☒ RSA, ☐ DSA, ☐ ECDSA, ☐ EdDSA, ☐ SSH-1 (RSA)
- Number of bits in a generated key: 2048

Save this file as Save private key

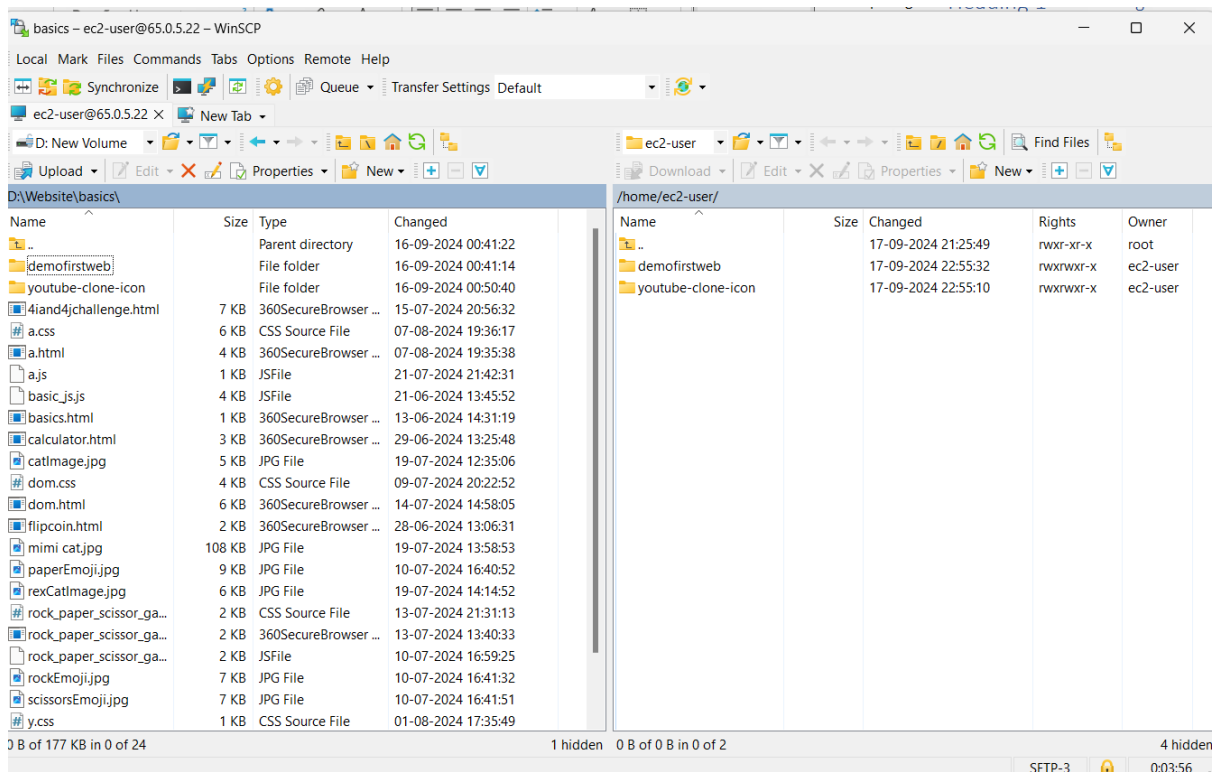
Step20: Then comeback to WinSCP and click on Authentication and load private key by click on 3 dots.



After that click ok and then click login

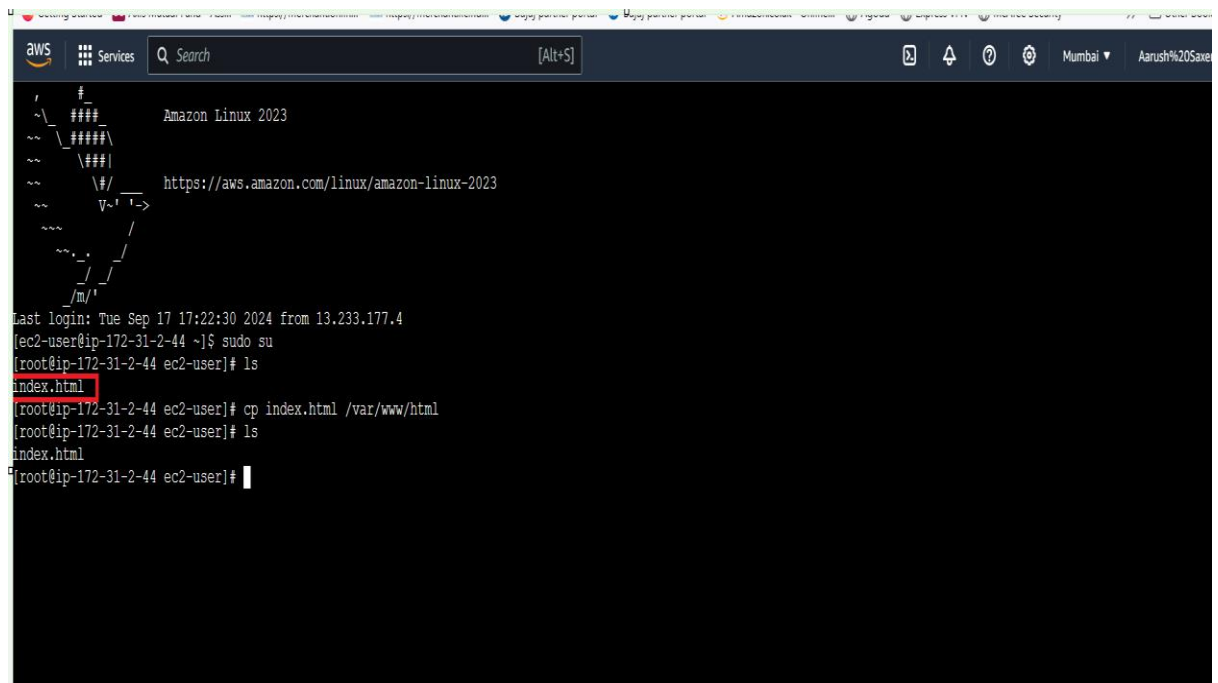
After that select the files as shown in image given below





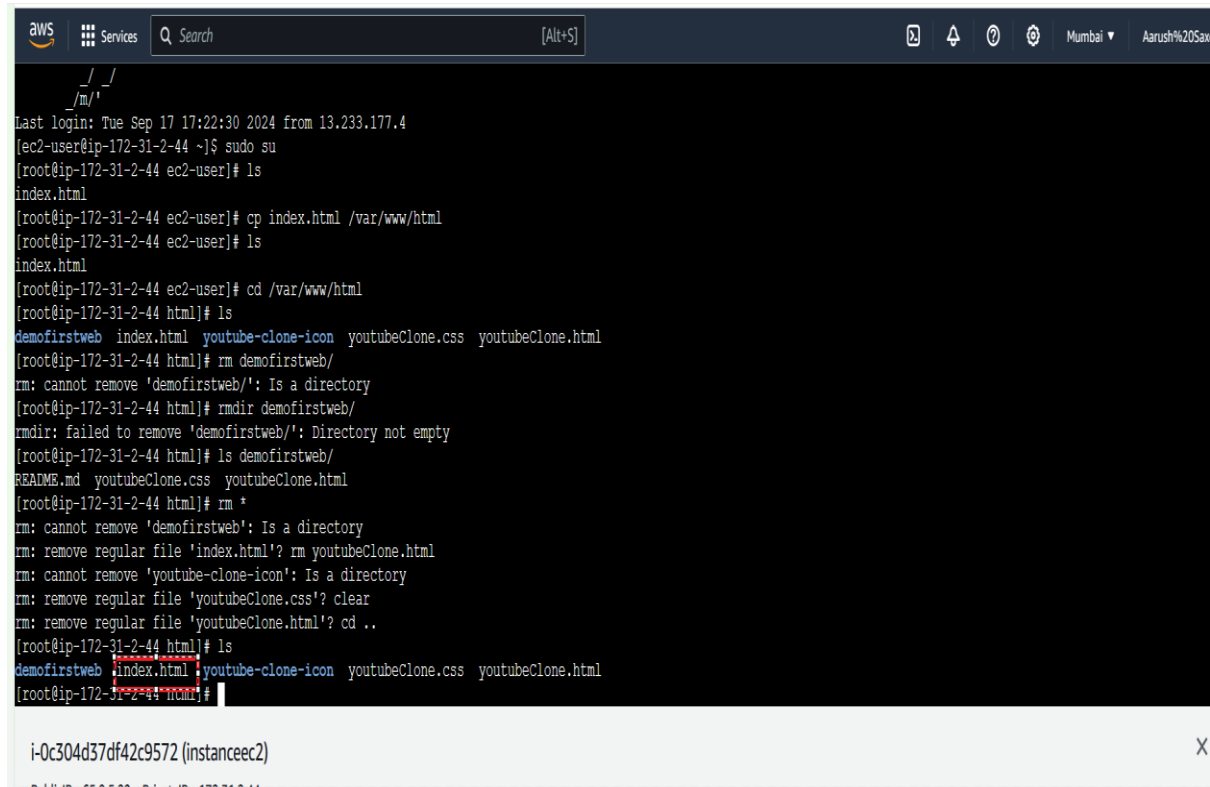
Step21: And simple drop and drag it

Now we will copy that files to this location var/www/html



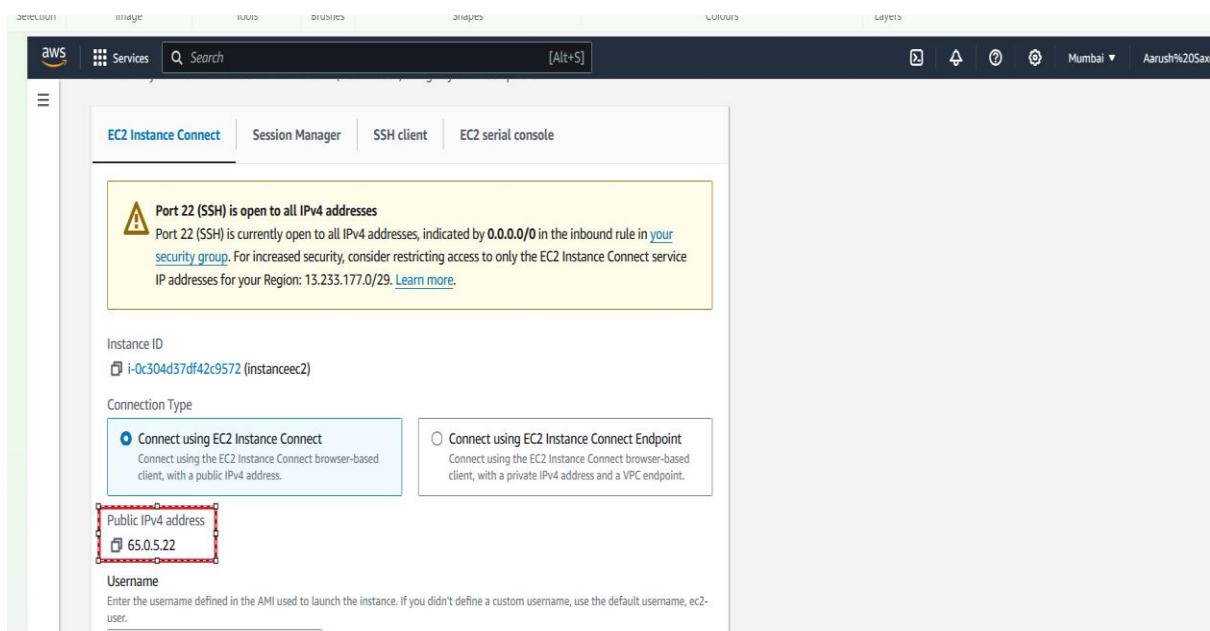
Step22: First our files shown in home dir inside it ec2-user and as we type ls command we can see our files

Now with help of cp (copy) command we will copy our files to this location var/www/html



```
aws
Services
Search [Alt+S]
Mumbai Aarush%20Sax
Last login: Tue Sep 17 17:22:30 2024 from 13.233.177.4
[ec2-user@ip-172-31-2-44 ~]$ sudo su
[root@ip-172-31-2-44 ec2-user]# ls
index.html
[root@ip-172-31-2-44 ec2-user]# cp index.html /var/www/html
[root@ip-172-31-2-44 ec2-user]# ls
index.html
[root@ip-172-31-2-44 ec2-user]# cd /var/www/html
[root@ip-172-31-2-44 html]# ls
demofirstweb index.html youtube-clone-icon youtubeClone.css youtubeClone.html
[root@ip-172-31-2-44 html]# rm demofirstweb/
rm: cannot remove 'demofirstweb/': Is a directory
[root@ip-172-31-2-44 html]# rmdir demofirstweb/
rmdir: failed to remove 'demofirstweb/': Directory not empty
[root@ip-172-31-2-44 html]# ls demofirstweb/
README.md youtubeClone.css youtubeClone.html
[root@ip-172-31-2-44 html]# rm *
rm: cannot remove 'demofirstweb/': Is a directory
rm: remove regular file 'index.html'? rm youtubeClone.html
rm: cannot remove 'youtube-clone-icon': Is a directory
rm: remove regular file 'youtubeClone.css'? clear
rm: remove regular file 'youtubeClone.html'? cd ..
[root@ip-172-31-2-44 html]# ls
demofirstweb index.html youtube-clone-icon youtubeClone.css youtubeClone.html
[root@ip-172-31-2-44 html]#
```

Step23: Copy this ip and paste it in any browser



# Now you can see your hoisted website

Connect to instance | EC2 | ap- X

EC2 Instance Connect

Document

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☆

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Agoda

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>>

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*Namestay INDIA*

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Chapter 1

This chapter explains ba bla bla

Chapter 2

This chapter explains ba bla bla

Chapter 3

This chapter explains ba bla bla

Chapter 4

This chapter explains ba bla bla