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MSc. SDS Batch 1

Cloud Computing Prac 1

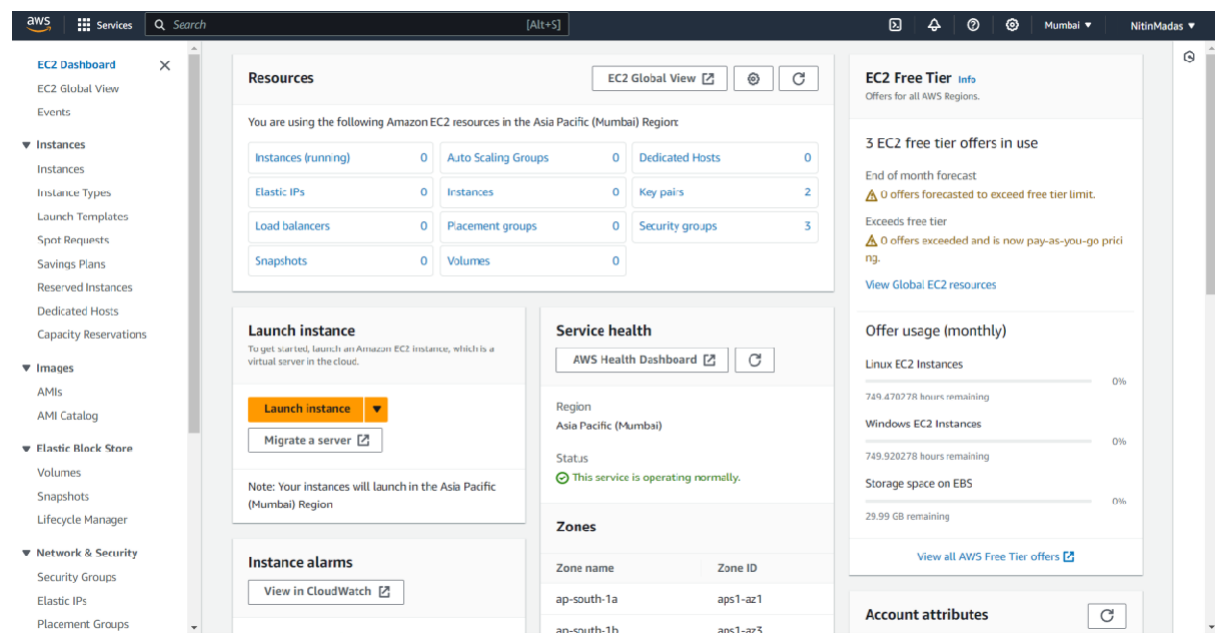
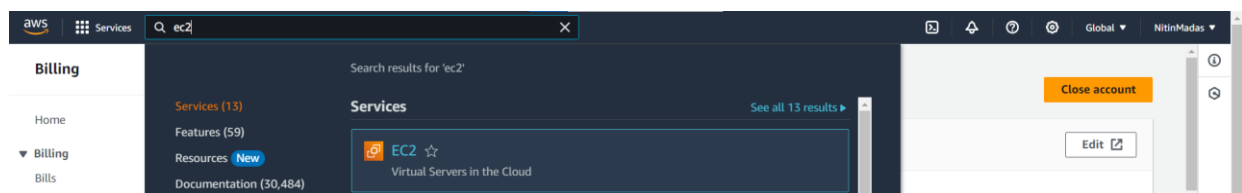
1) Implement the Ubuntu machine using AWS EC2 and execute the Linux commands.

Steps:

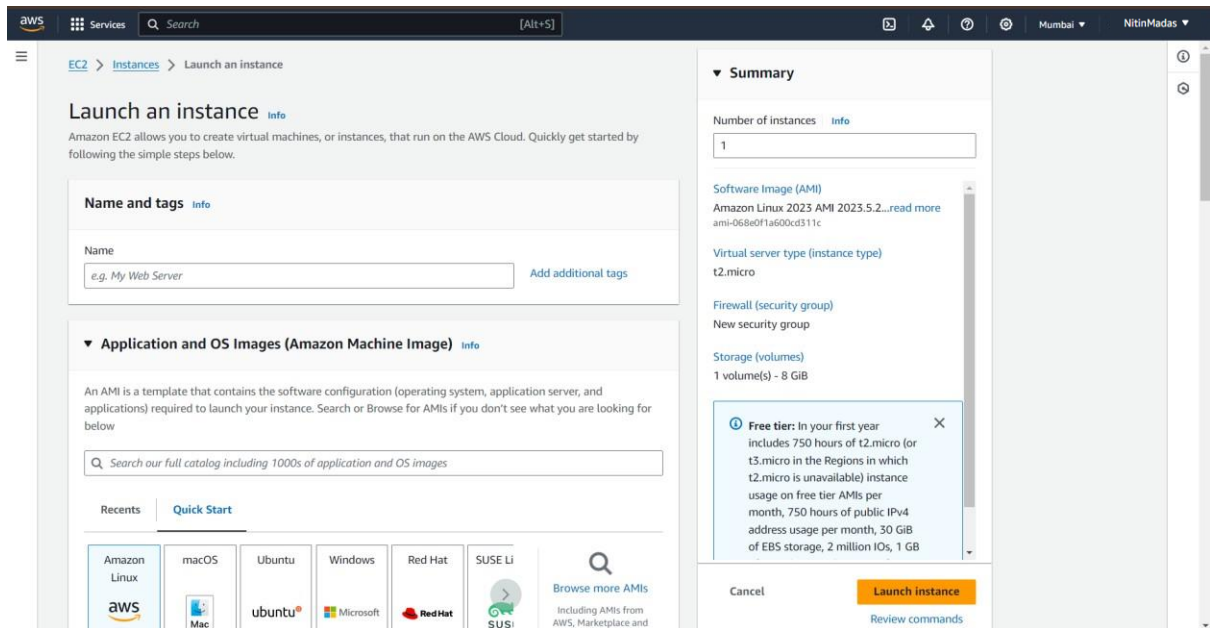
Open Amazon Web Services (AWS) and login into the services.

Search EC2 on the search tab.

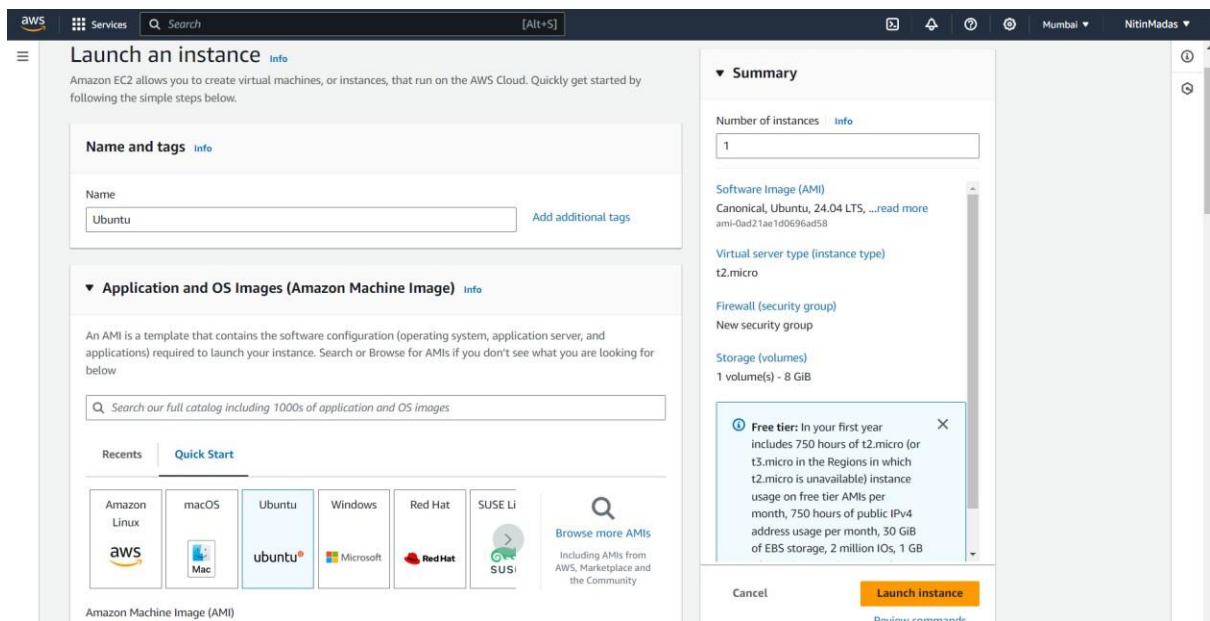
Click on EC2.



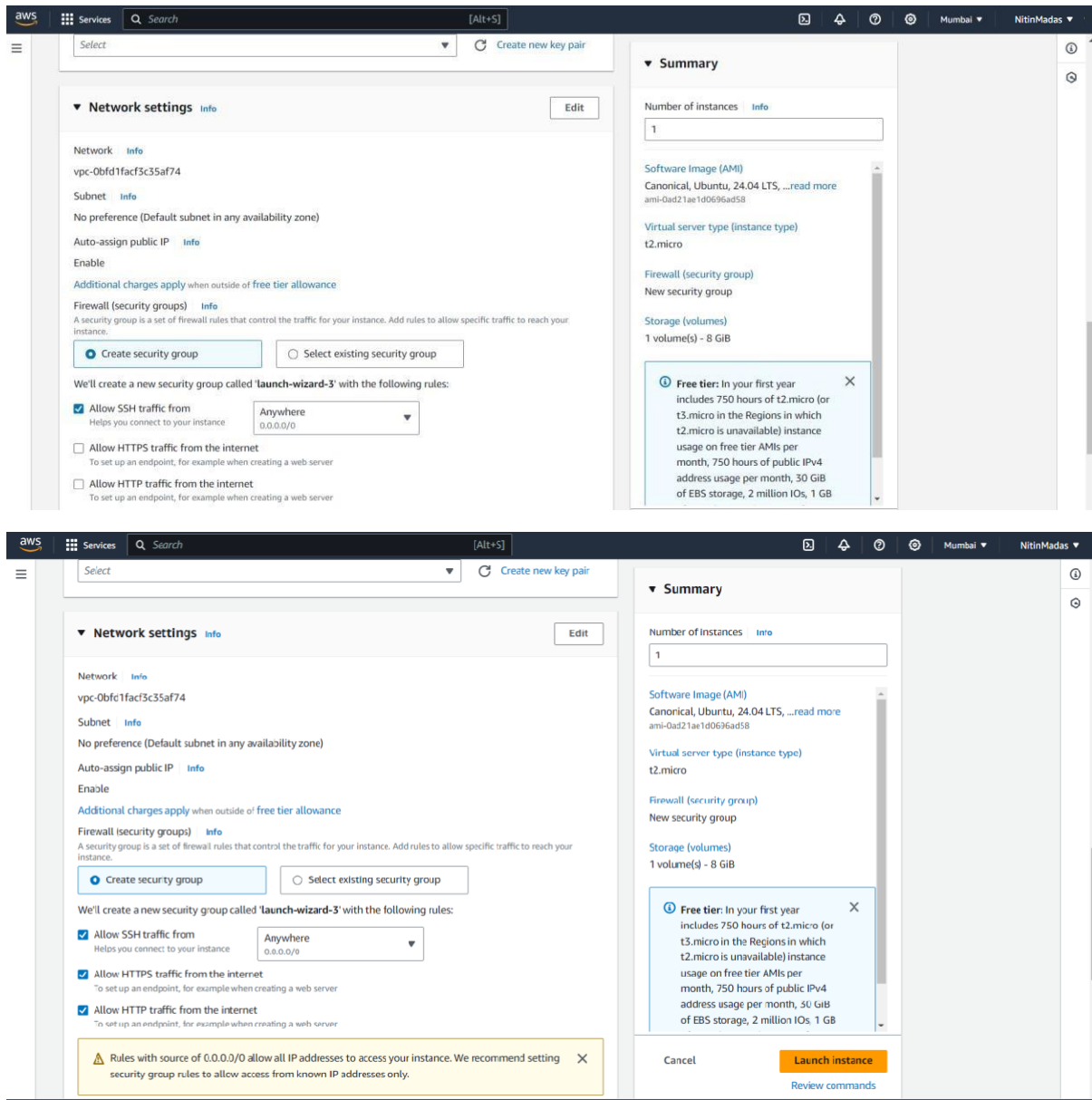
Click on Launch instance.



Give the name to the instance and select the Ubuntu option.

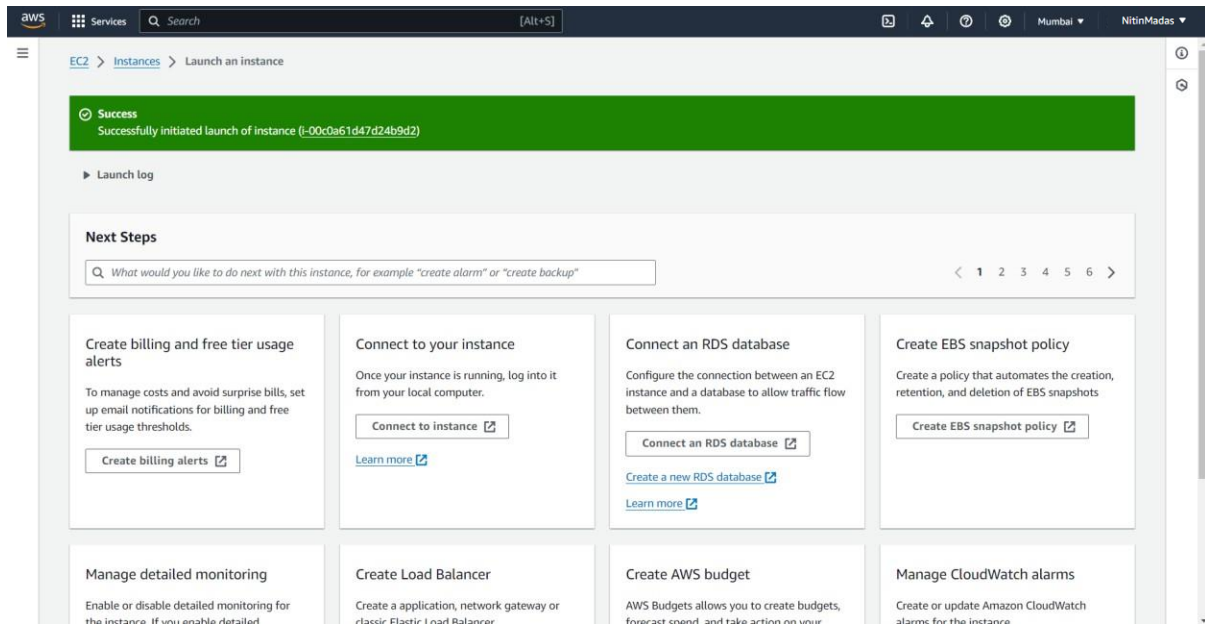


Scroll down and select all the three options i.e Allow SSH, HTTPS, HTTP.

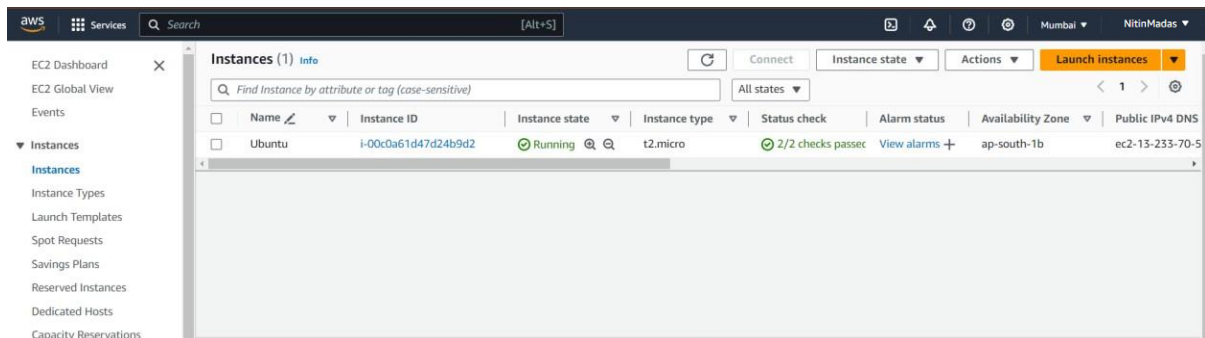


Click on Launch instance.

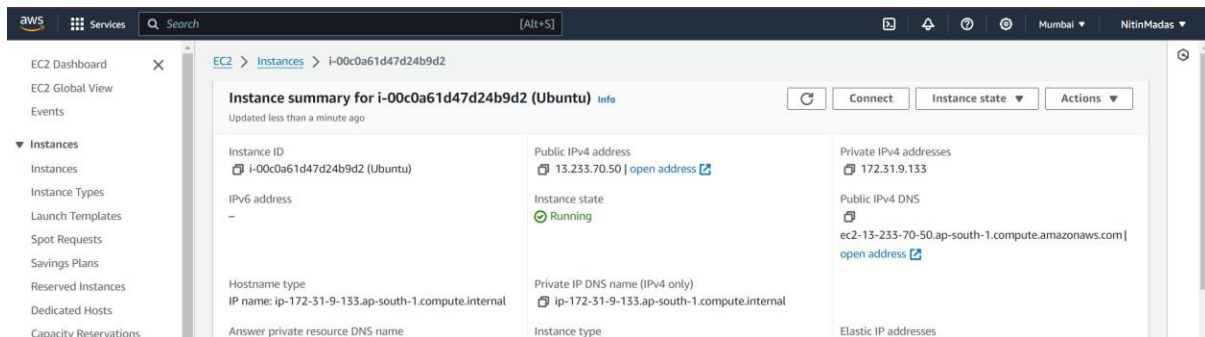
Next is to create a key pair so give a unique name to key pair and select .pem option and by default RSA option should be selected if not select that option.

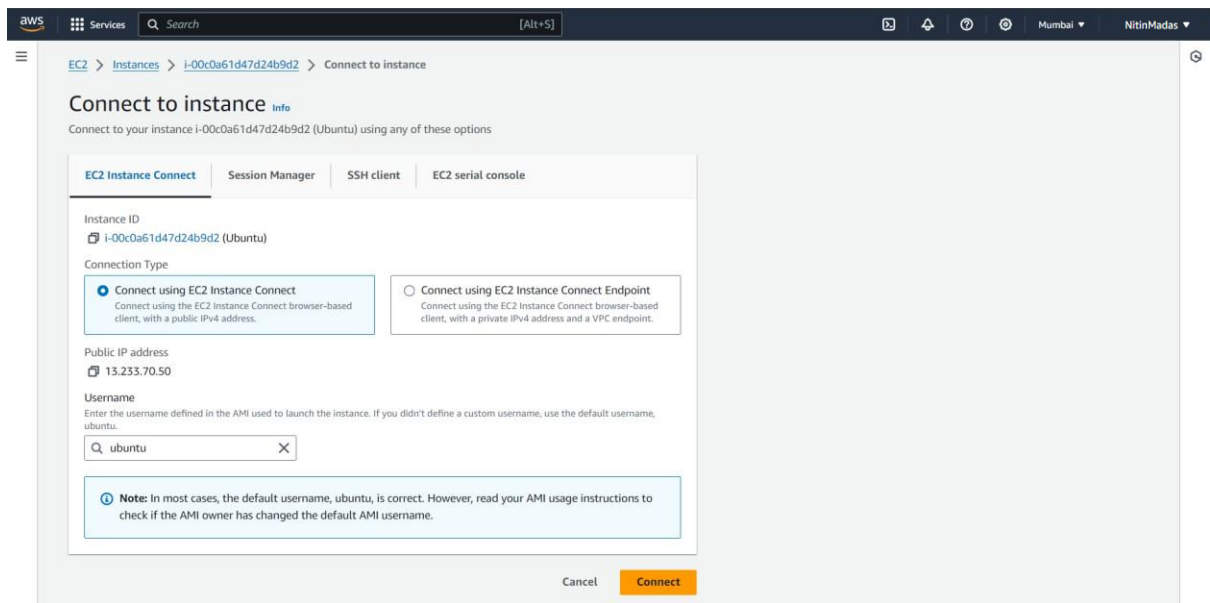


Now click on the three horizontal bar and then click on instances.

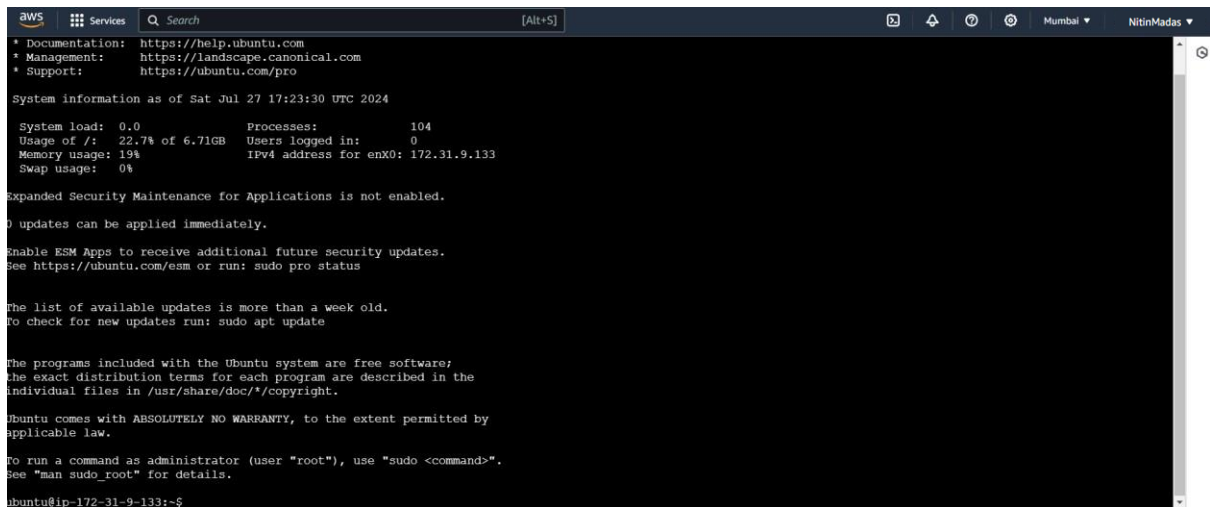


Now click on instance id link after that click on Connect .





Click on Connect and a cmd prompt of Ubuntu Machine will load.



Now run some linux cmd prompts.

```
aws
Services
Search
[Alt+S]

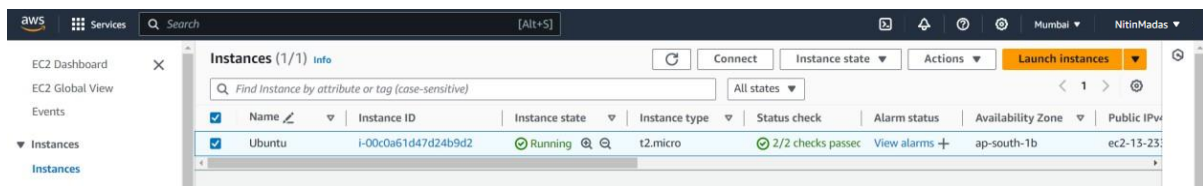
The programs included with the Ubuntu system are free software;
the exact distribution terms for each program are described in the
individual files in /usr/share/doc/*/copyright.

Ubuntu comes with ABSOLUTELY NO WARRANTY, to the extent permitted by
applicable law.

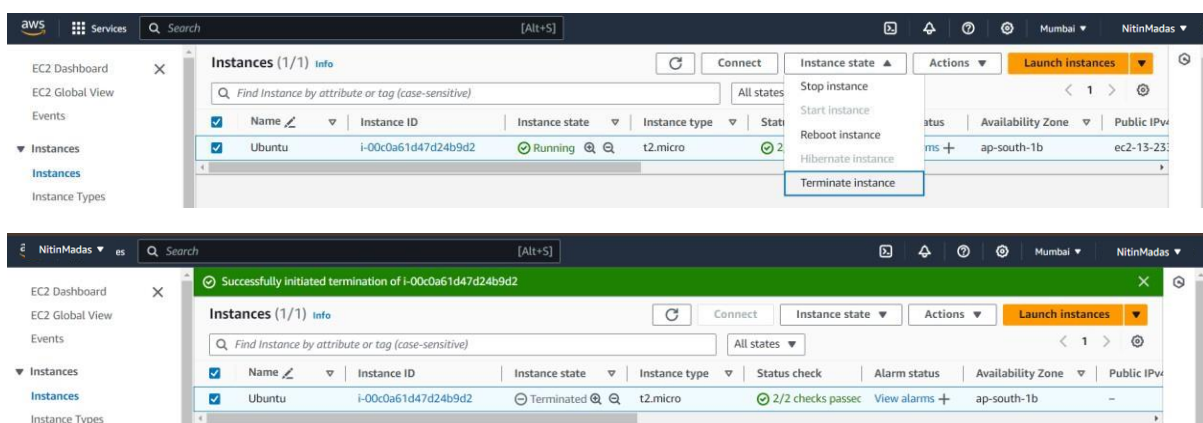
To run a command as administrator (user "root"), use "sudo <command>".
See "man sudo_root" for details.

ubuntu@ip-172-31-9-133:~$ date
Sat Jul 27 17:25:58 UTC 2024
ubuntu@ip-172-31-9-133:~$ mkdir akhilesh
ubuntu@ip-172-31-9-133:~$ cd akhilesh
ubuntu@ip-172-31-9-133:~/akhilesh$ whoami
ubuntu
ubuntu@ip-172-31-9-133:~/akhilesh$ uname
Linux
ubuntu@ip-172-31-9-133:~/akhilesh$ man
What manual page do you want?
For example, try 'man man'.
ubuntu@ip-172-31-9-133:~/akhilesh$ man man
man: can't resolve man7/groff_man.7
ubuntu@ip-172-31-9-133:~/akhilesh$ df
Filesystem      1K-blocks      Used Available Use% Mounted on
/dev/root        7034376 1609616   5408376  23% /
tmpfs            490208      0    490208   0% /dev/shm
tmpfs            196084     868    195216   1% /run
tmpfs            5120        0     5120    0% /run/lock
/dev/xvda16      901520    76972    761420  10% /boot
/dev/xvda15      106932    6246    100586   6% /boot/efi
tmpfs            98040     12     98028   1% /run/user/1000
ubuntu@ip-172-31-9-133:~/akhilesh$
```

Now close this window and we will again see our instance window after working instance our step is to terminate this instance.



Click on instance state and then select Terminate instance.

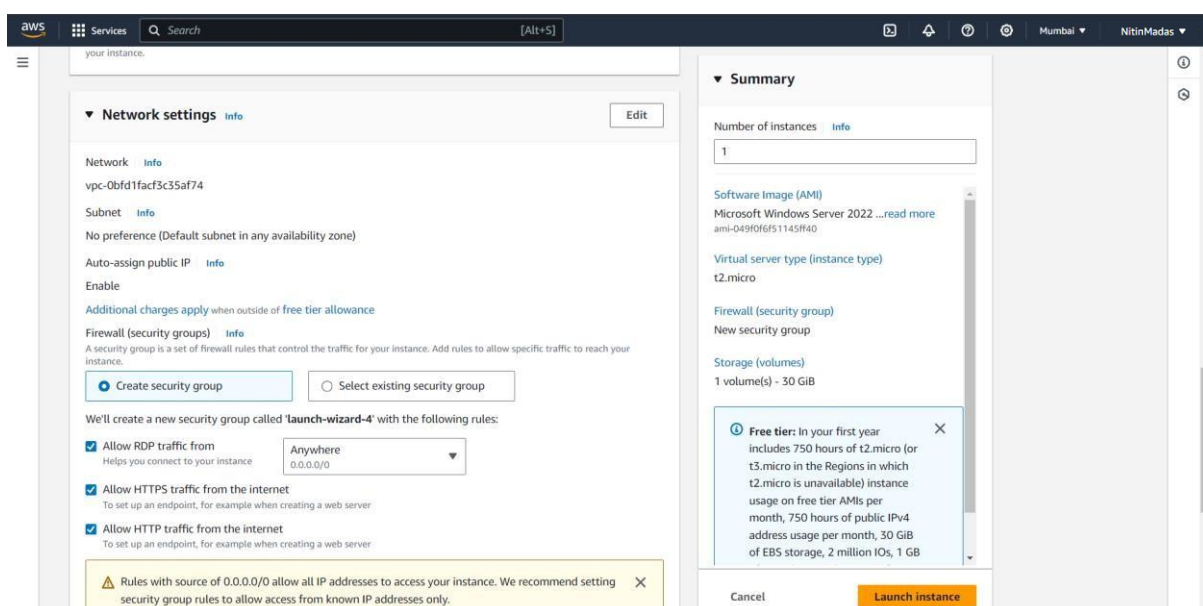
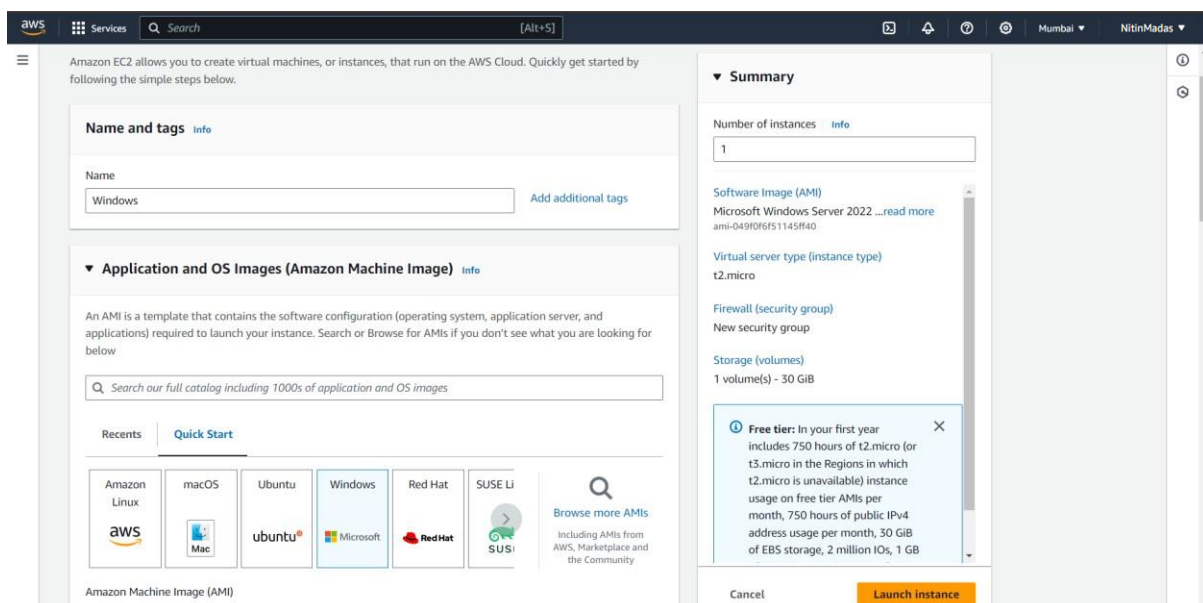
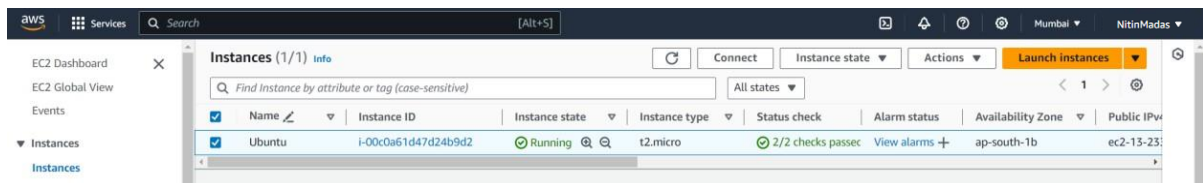


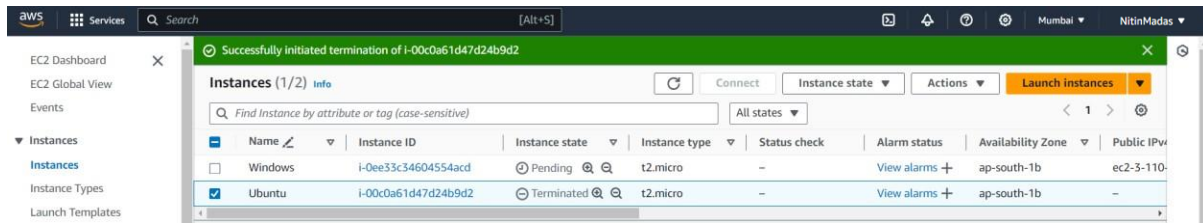
2) Implement the windows machine using AWS EC2.

Steps:

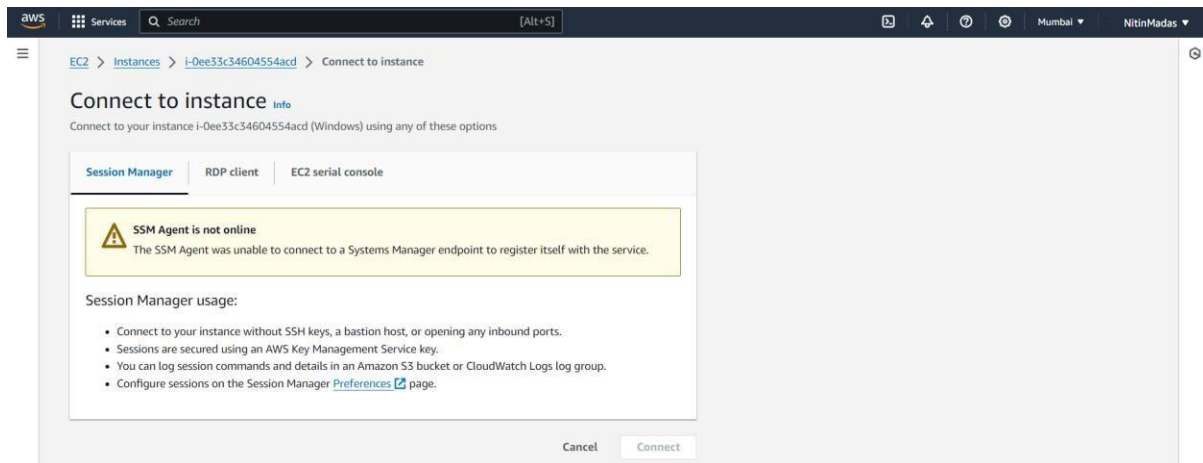
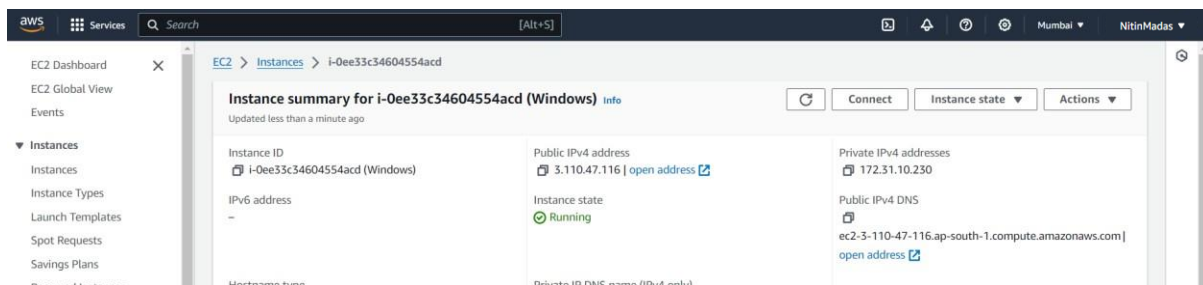
Repeat the same steps as mentioned above for Ubuntu machine EC2 instead of selecting Ubuntu we have to choose Windows Option.

Otherwise when we are in our instance page and we did not logout from AWS then click on Launch instance for creating a new instance and then repeat same process as mentioned for ubuntu machine.



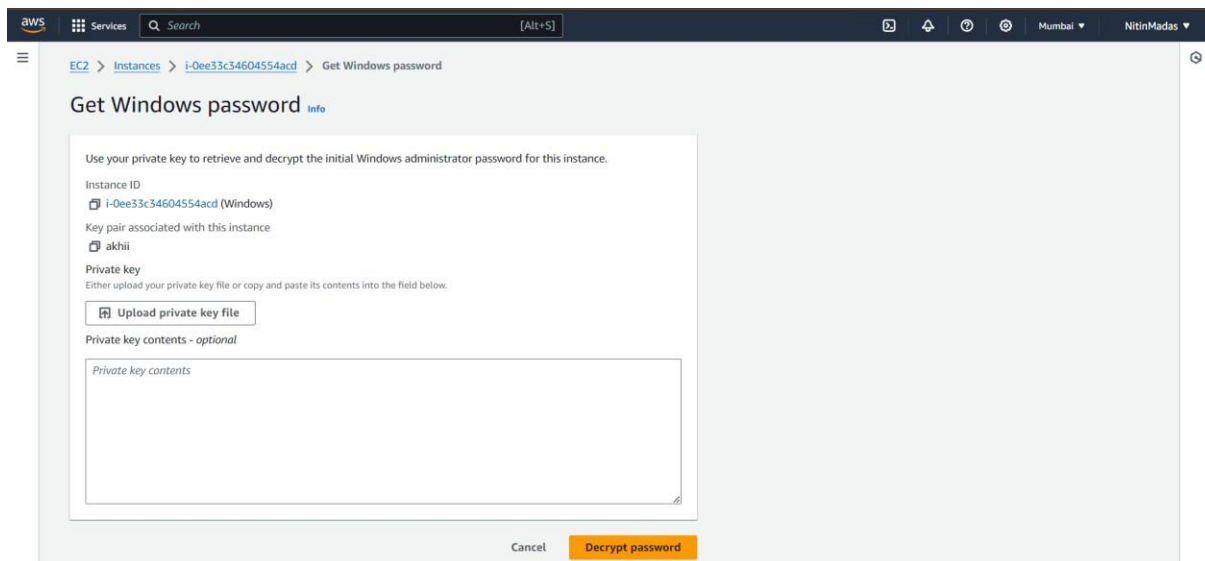
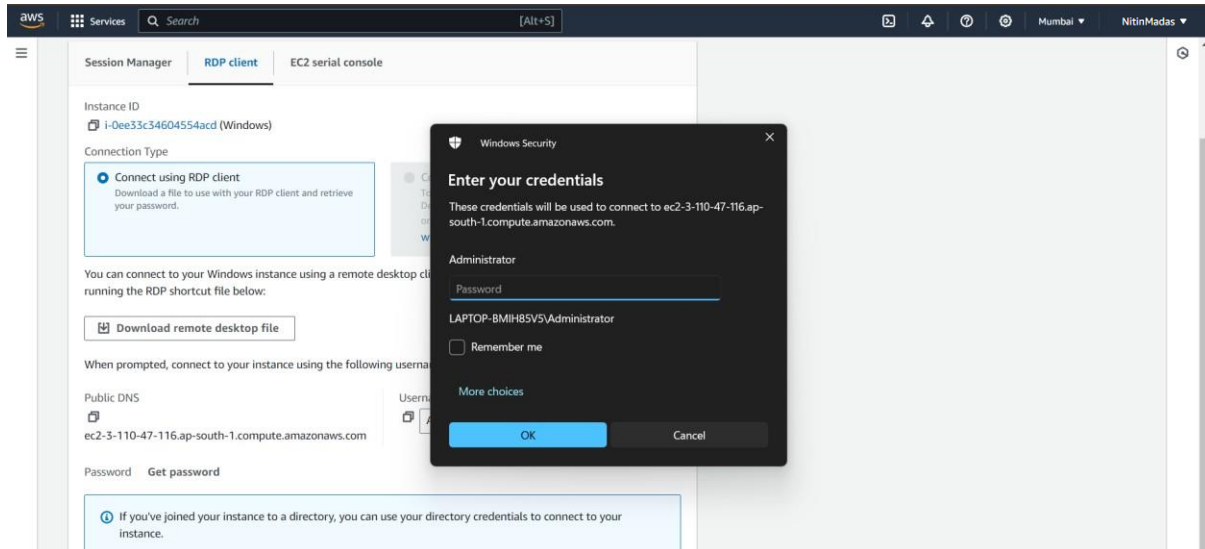


Click on Instance id of windows i.e the instance name created for virtually imputing windows into AWS and then new page opens and click on Connect.



Go to RDP Client and click on download remote desktop.

Go to downloaded windows rdp and click on it I will ask you the password and in the RDP client you will get Get Password option and click on it.



Here you have to upload your key pair file and then decrypt password and then copy that password and paste it then your virtual desktop will open.

