

## **ADVANCE DEVOPS LAB ASSIGNMENT -1**

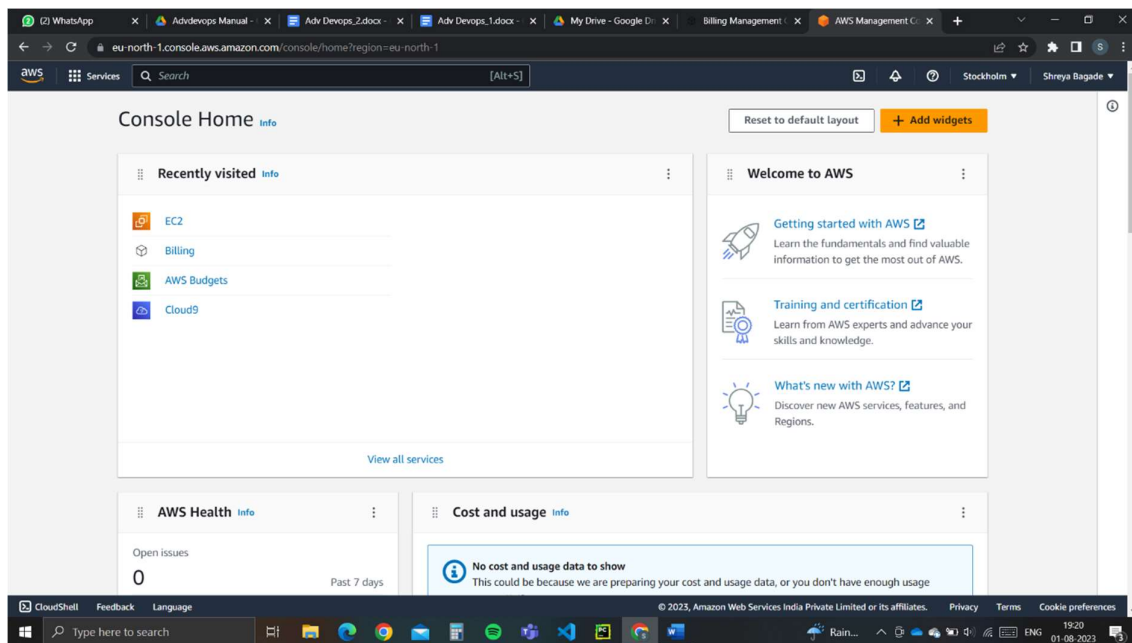
**Aim-** To make a EC2 Machine in AWS.

### **THEORY-**

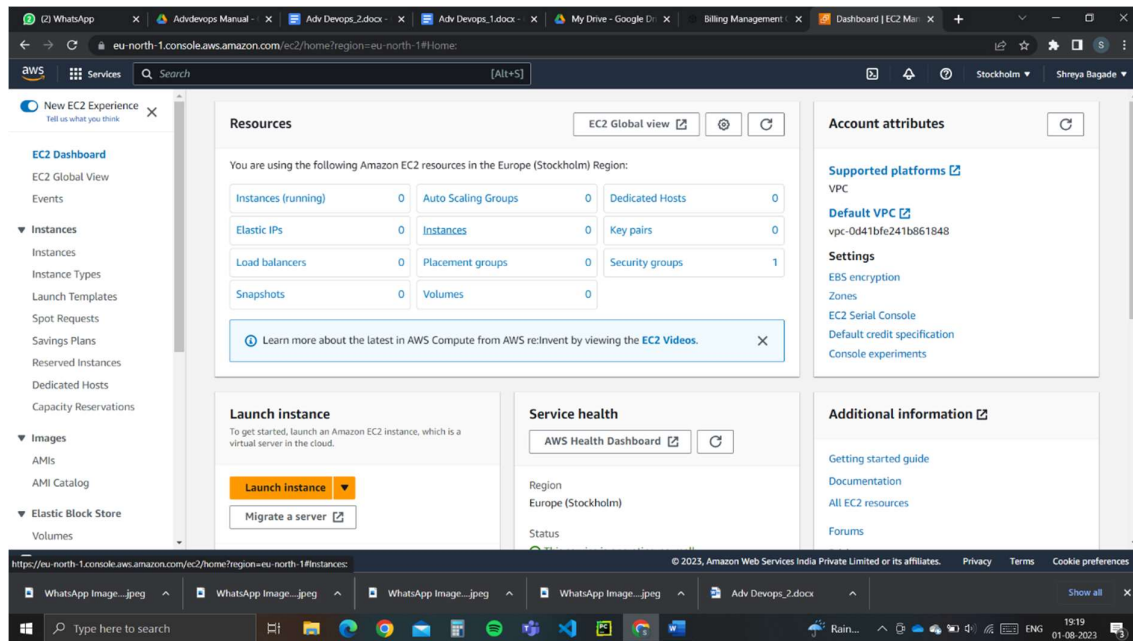
Amazon Elastic Compute Cloud (Amazon EC2) is a web service that provides secure, resizable compute capacity in the cloud. It is designed to make web-scale cloud computing easier for developers.

### **STEPS –**

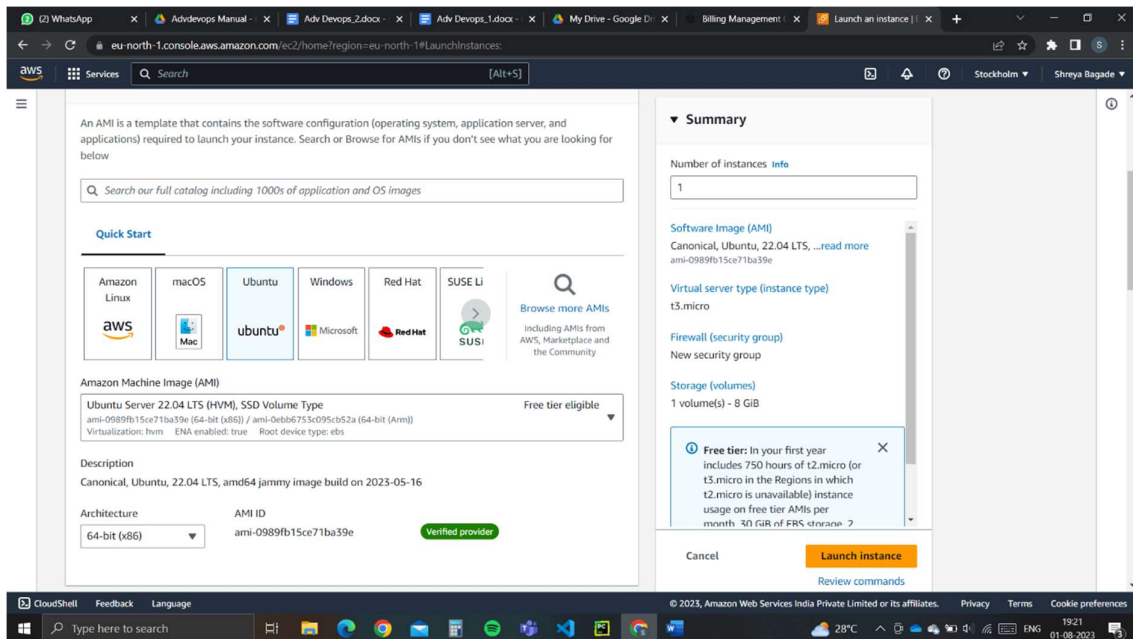
Login To AWS Account, then Search EC2.



NOW CLICK ON LAUNCH / CREATE NEW INSTANCES.

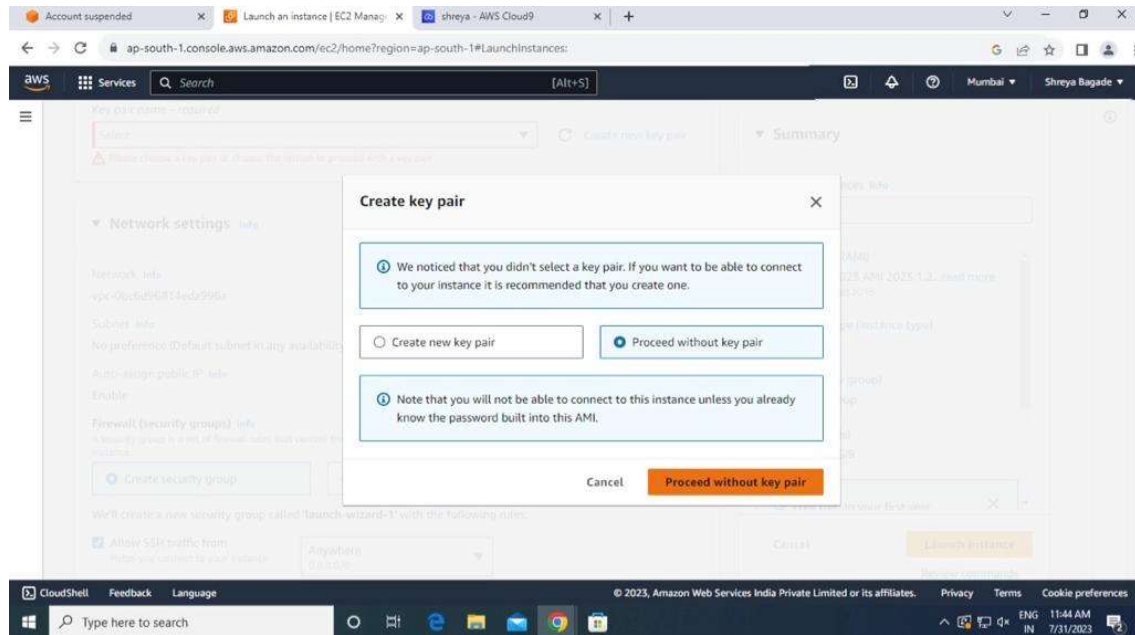


Choose any machine you want to create here I am creating UBUNTU (free tier) and launch instance.

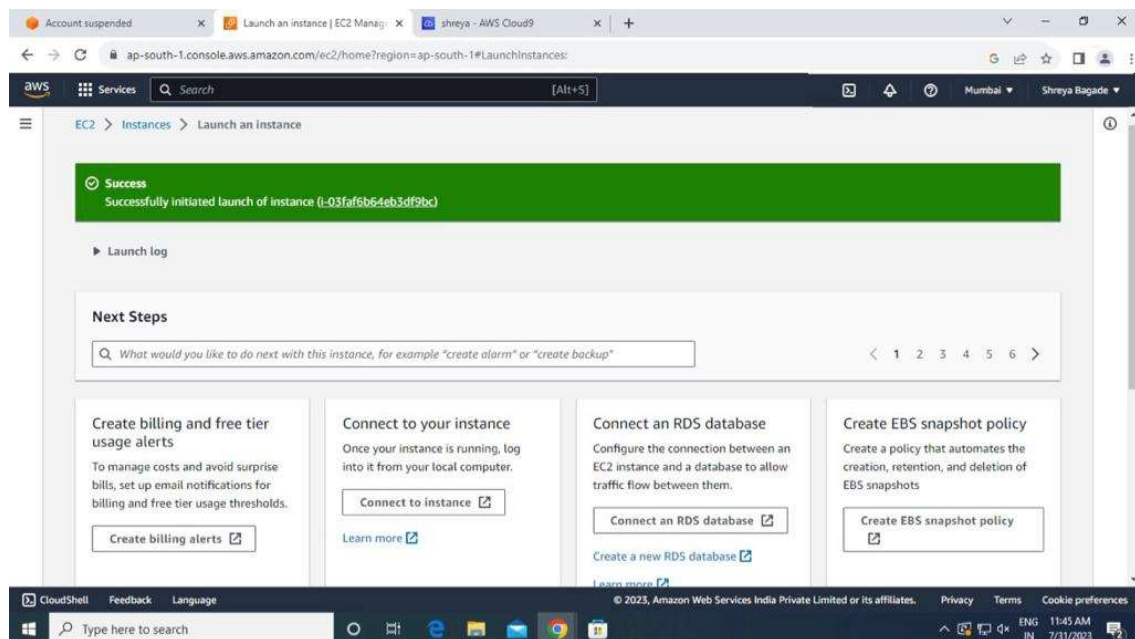


We are creating T2 Micro free tier one

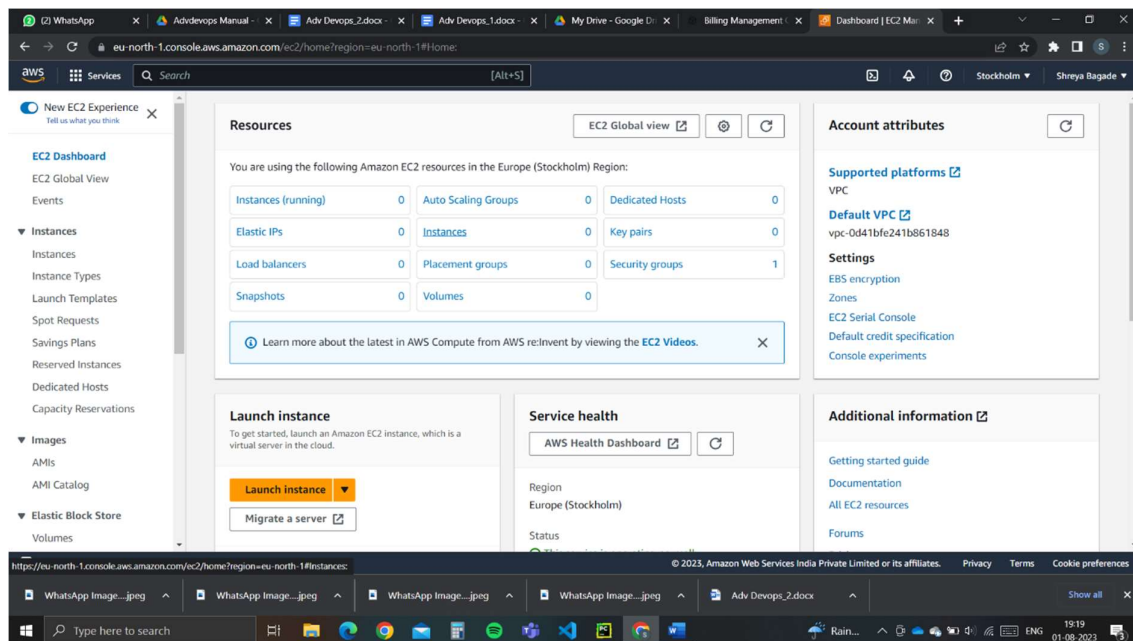
We can enter a key pair and create one, here we will proceed without key pair.



and then launch instance. Launch instance successfully.

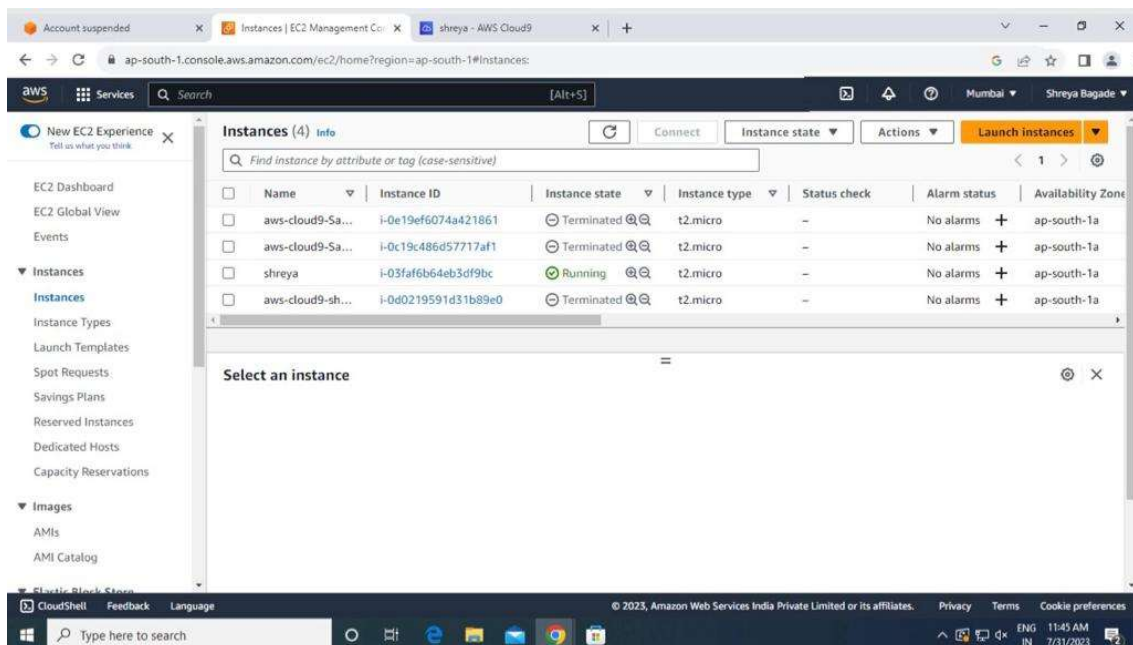


Go to EC2 Dashboard and click on instances(running):

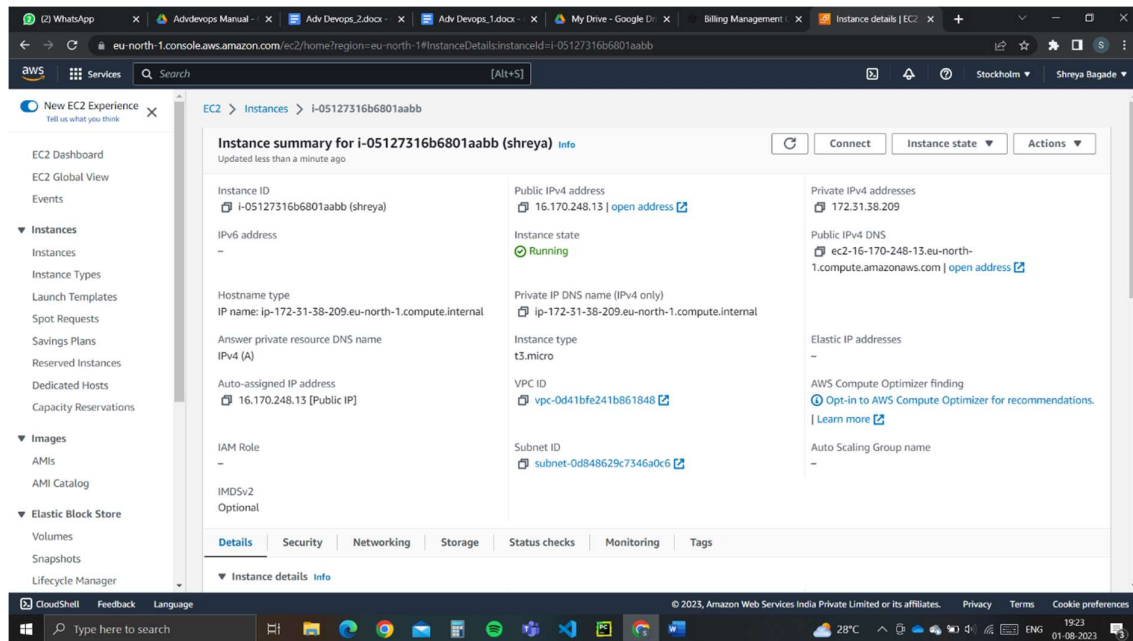


NOW WAIT TILL THE STATUS CHECK IS 2/2 and Instance is running.

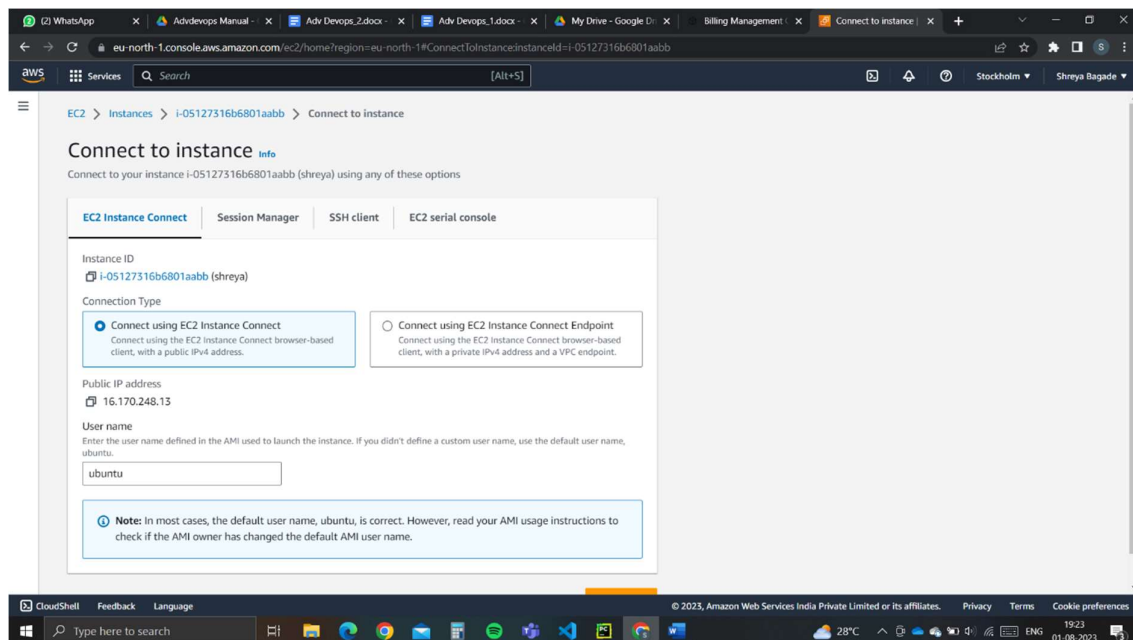
Once Check is complete click on your Instance ID



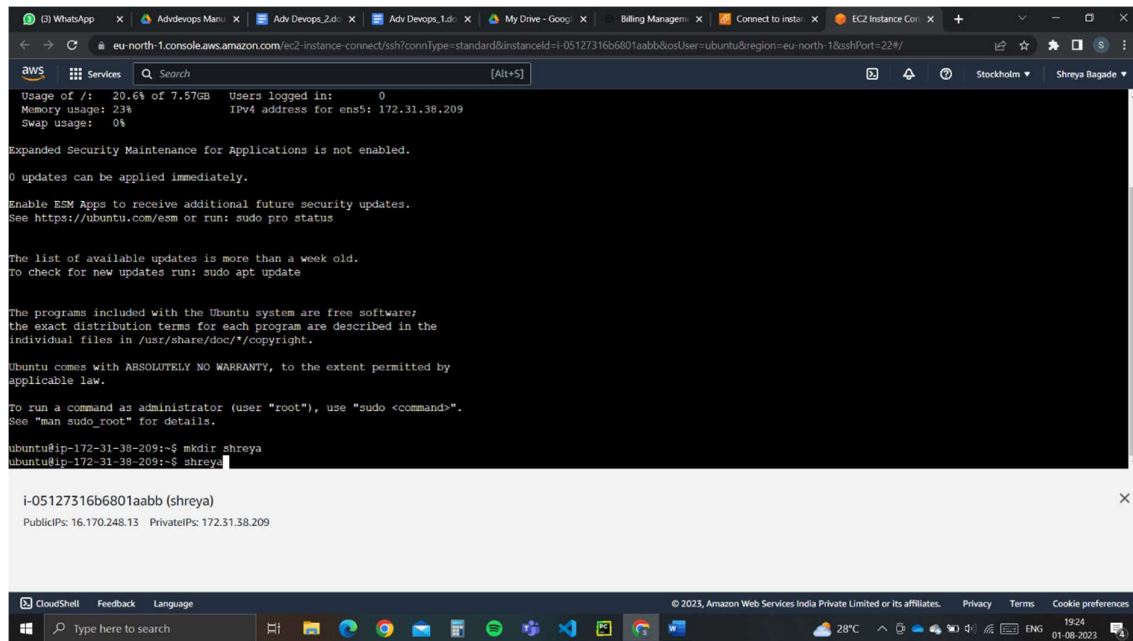
Click on connect instance.



Click on connect with EC2 endpoint.



FOLLOW SOME BASIC LINUX COMMANDS AS SHOWN BELOW-



```
aws
Services Search [Alt+S]
Usage of /: 20.6% of 7.57GB Users logged in: 0
Memory usage: 23% IPv4 address for ens5: 172.31.38.209
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

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-172-31-38-209:~$ mkdir shreya
ubuntu@ip-172-31-38-209:~$ shreya
```

i-05127316b6801aabb (shreya)  
PublicIPs: 16.170.248.13 PrivateIPs: 172.31.38.209

CloudShell Feedback Language © 2023, Amazon Web Services India Private Limited or its affiliates. Privacy Terms Cookie preferences  
Type here to search 28°C 1924 01-08-2023

**CONCLUSION** – HENCE LEARNED AND IMPEMETED THE STEPS TO  
CREATE AN EC2 MACHINE.