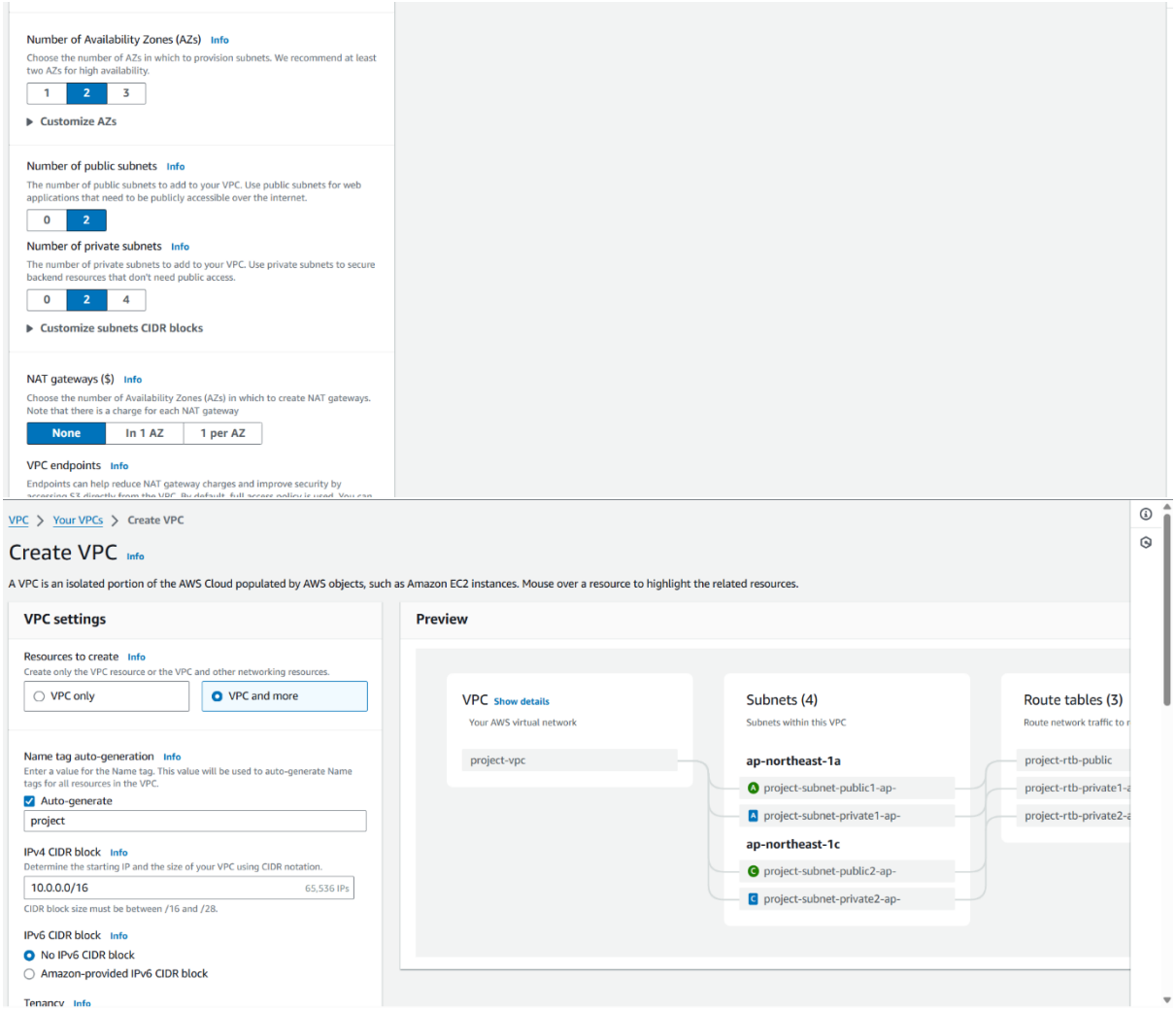
VPC(virtual private cloud)

Transit gateway creation.

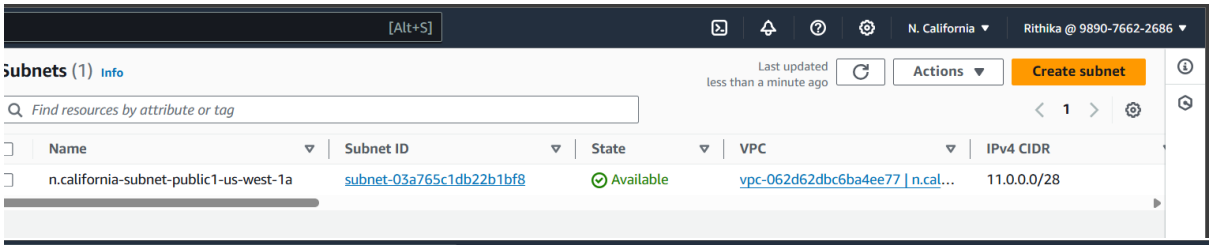
Create Virtual Private Network

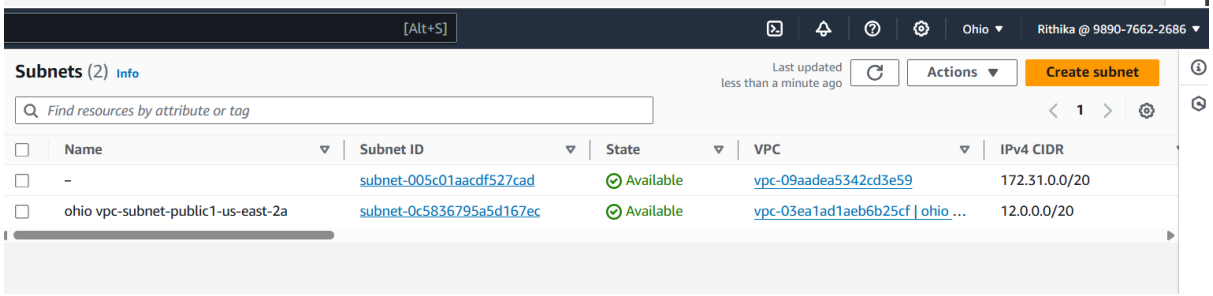
1. Log in your Aws Account & search for VPC in the search box.

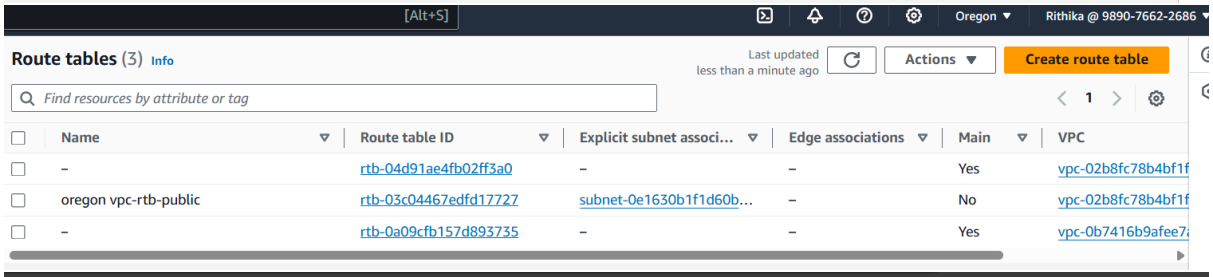
2. Click on Create VPC & select VPC More
3. Follow the steps mentioned in the below snapshots

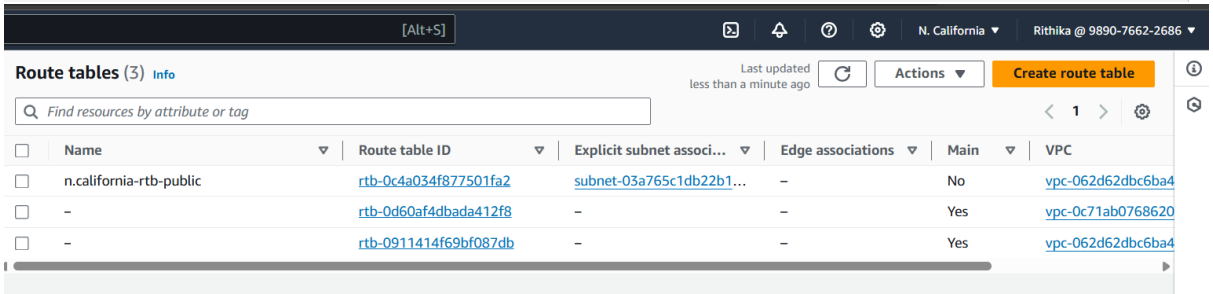


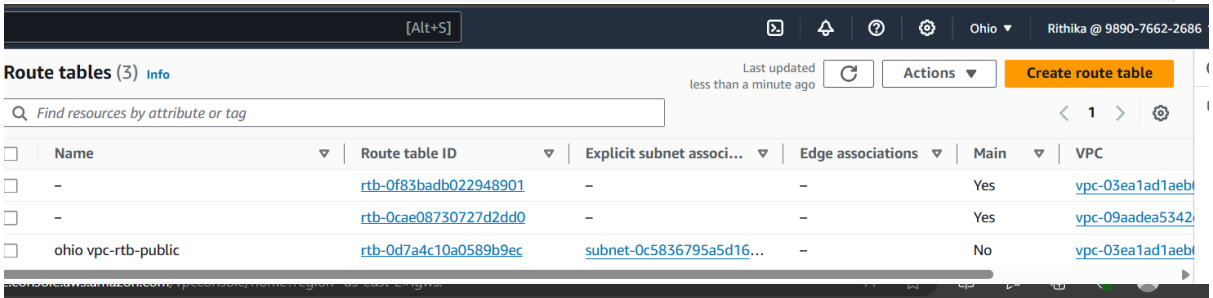
4. Some subnet & Route Tables & IGW Snapshots are mentioned below

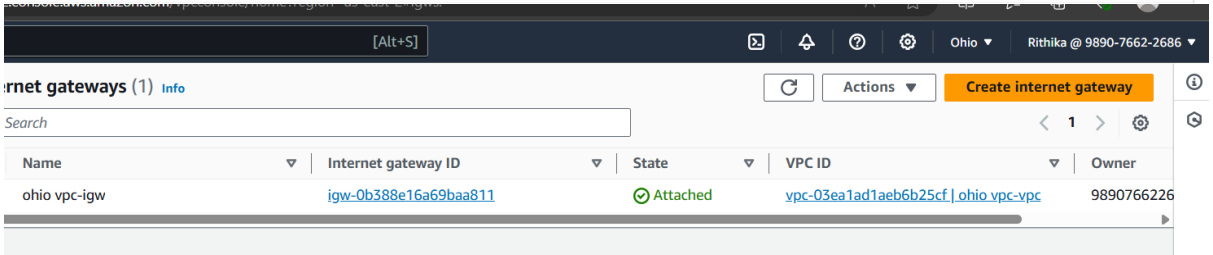

[Alt+S]
N. California
Rithika @ 9890-7662-2686
Subnets (1) Info
Last updated less than a minute ago
Actions
Create subnet
Find resources by attribute or tag
Name
Subnet ID
State
VPC
IPv4 CIDR
n.california-subnet-public1-us-west-1a
subnet-03a765c1db22b1bf8
Available
vpc-062d62dbc6ba4ee77 | n.cal...
11.0.0.0/28

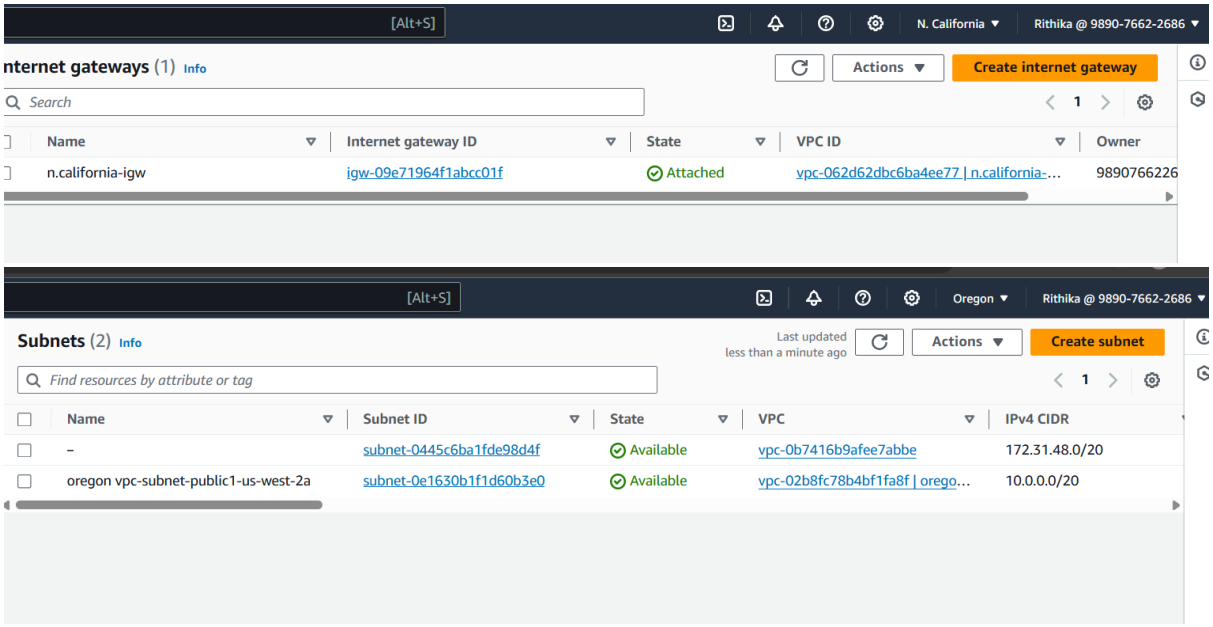

[Alt+S]
Ohio
Rithika @ 9890-7662-2686
Subnets (2) Info
Last updated less than a minute ago
Actions
Create subnet
Find resources by attribute or tag
Name
Subnet ID
State
VPC
IPv4 CIDR
-
subnet-005c01aacdf527cad
Available
vpc-09aadea5342cd3e59
172.31.0.0/20
ohio vpc-subnet-public1-us-east-2a
subnet-0c5836795a5d167ec
Available
vpc-03ea1ad1aeb6b25cf | ohio ...
12.0.0.0/20


[Alt+S]
Oregon
Rithika @ 9890-7662-2686
Route tables (3) Info
Last updated less than a minute ago
Actions
Create route table
Find resources by attribute or tag
Name
Route table ID
Explicit subnet associ...
Edge associations
Main
VPC
-
rtb-04d91ae4fb02ff3a0
-
-
Yes
vpc-02b8fc78b4bf1f
oregon vpc-rtb-public
rtb-03c04467edfd17727
subnet-0e1630b1f1d60b...
-
No
vpc-02b8fc78b4bf1f
-
rtb-0a09cfb157d893735
-
-
Yes
vpc-0b7416b9afee7


[Alt+S]
N. California
Rithika @ 9890-7662-2686
Route tables (3) Info
Last updated less than a minute ago
Actions
Create route table
Find resources by attribute or tag
Name
Route table ID
Explicit subnet associ...
Edge associations
Main
VPC
n.california-rtb-public
rtb-0c4a034f877501fa2
subnet-03a765c1db22b1...
-
No
vpc-062d62dbc6ba4
-
rtb-0d60af4dbada412f8
-
-
Yes
vpc-0c71ab0768620
-
rtb-0911414f69bf087db
-
-
Yes
vpc-062d62dbc6ba4

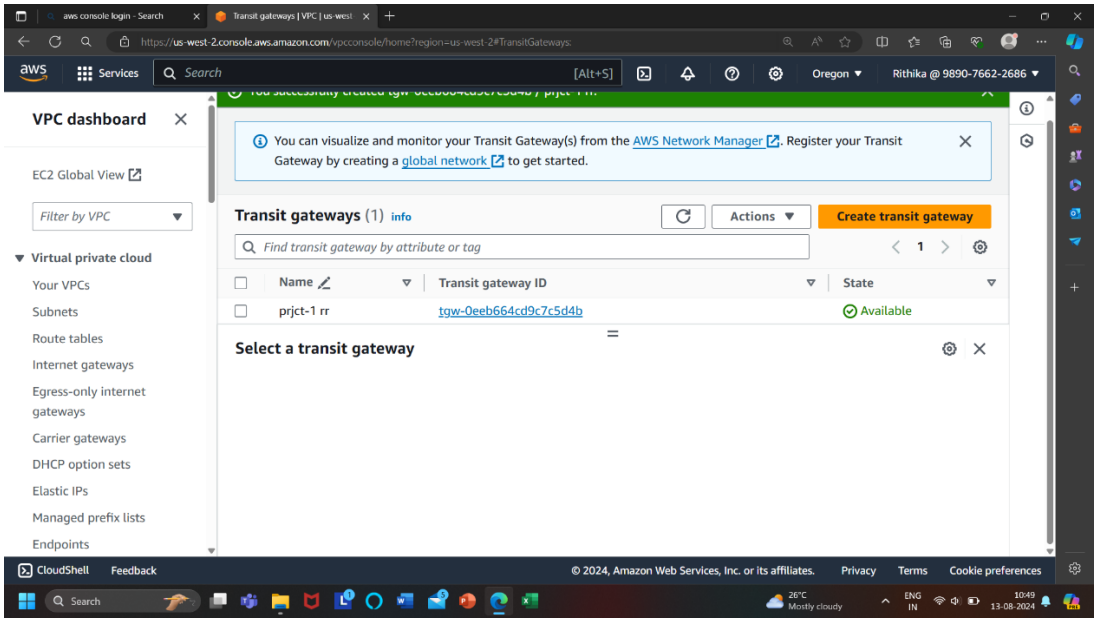

[Alt+S]
Ohio
Rithika @ 9890-7662-2686
Route tables (3) Info
Last updated less than a minute ago
Actions
Create route table
Find resources by attribute or tag
Name
Route table ID
Explicit subnet associ...
Edge associations
Main
VPC
-
rtb-0f83badb022948901
-
-
Yes
vpc-03ea1ad1aeb
-
rtb-0cae08730727d2dd0
-
-
Yes
vpc-09aadea5342
ohio vpc-rtb-public
rtb-0d7a4c10a0589b9ec
subnet-0c5836795a5d16...
-
No
vpc-03ea1ad1aeb


[Alt+S]
Ohio
Rithika @ 9890-7662-2686
rnet gateways (1) Info
Actions
Create internet gateway
Search
Name
Internet gateway ID
State
VPC ID
Owner
ohio vpc-igw
igw-0b388e16a69baa811
Attached
vpc-03ea1ad1aeb6b25cf | ohio vpc-vpc
9890766226



Create Transit Gateway:

1. Go to Transit Gateway and select “Create Transit Gateway”.
2. Now, Create Two Transit Gateway Attachments and attach to Transit Gateway.
3. Some snapshots are attached below

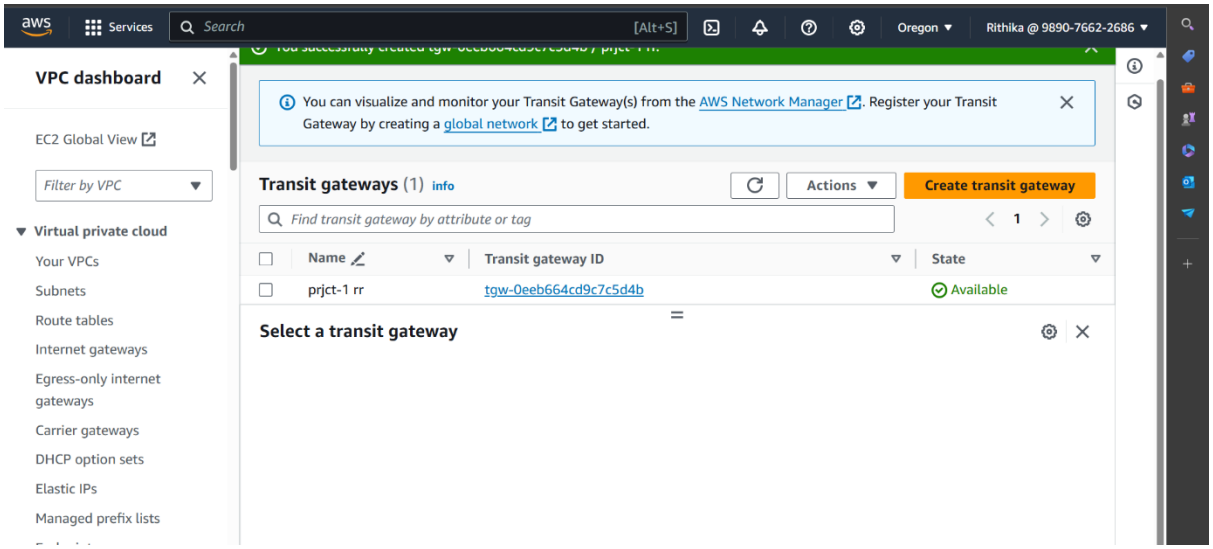


Create Transit Gateway:

1. Go to Transit Gateway and select “Create Transit Gateway”.

2. Now, Create Two Transit Gateway Attachments and attach to Transit Gateway.

3. Some screenshots are attached below,

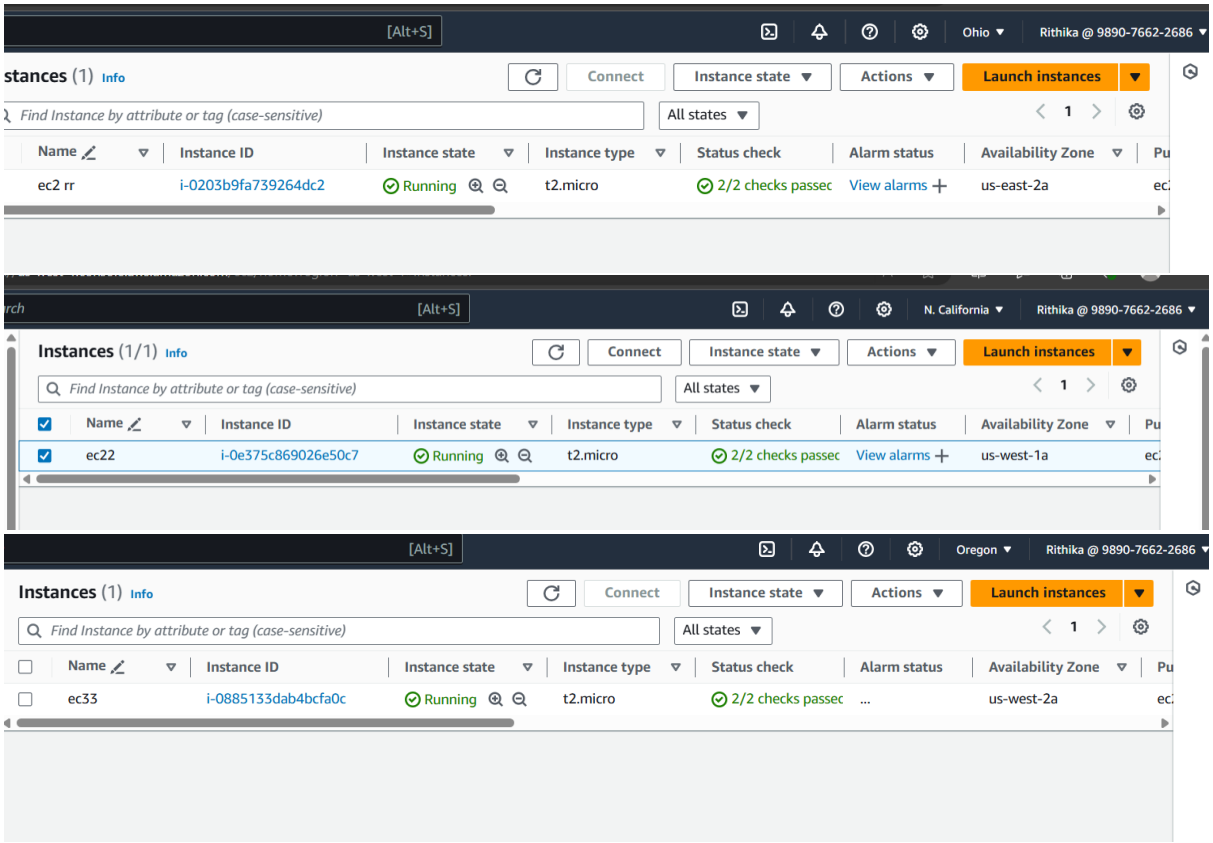


Create EC2 Instance:

1. Create Three EC2 Instances for Three VPC’s.

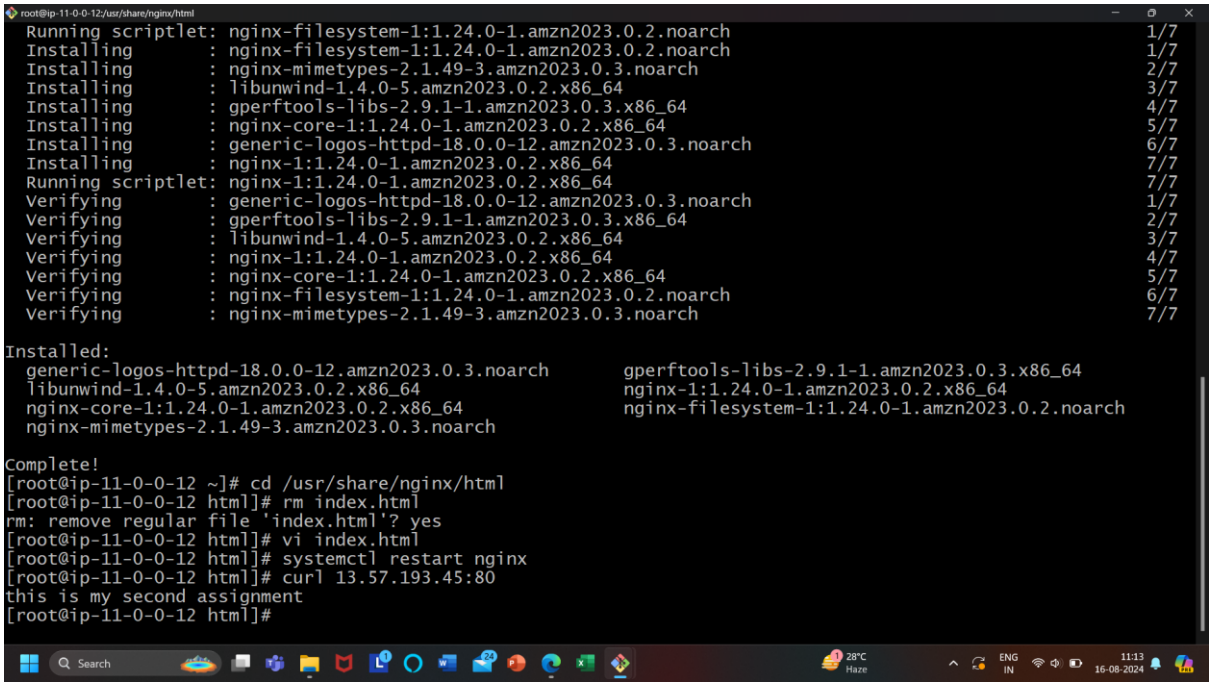
2. Go to instance-- Launch Instance – create key pair – Network-- select AZ – Select Security Group – Launch Instance

3. Some EC2 Screenshots are attached below



4. After creating 3 EC2 Instances & Copy the SSH.

5. Paste it in the Git bash and Connect.



OUTPUT :

```
Last metadata expiration check: 3:53:20 ago on Fri Aug 16 04:51:
Package nginx-1:1.24.0-1.amzn2023.0.2.x86_64 is already installe
Dependencies resolved.
Nothing to do.
Complete!
[root@ip-11-0-0-12 ~]# curl 13.57.193.45:80
this is my second assignment
[root@ip-11-0-0-12 ~]#  curl 54.200.206.84:80
this is my 3rd project
[root@ip-11-0-0-12 ~]#  curl 3.135.206.67:80
s my first project
[root@ip-11-0-0-12 ~]#
```

```
                  PACKAGE [PACKAGE ...]
yum install: error: the following arguments are required: PACK
[root@ip-12-0-14-202 ~]# yum install nginx -y
Last metadata expiration check: 3:48:57 ago on Fri Aug 16 04:5
Package nginx-1:1.24.0-1.amzn2023.0.2.x86_64 is already instal
Dependencies resolved.
Nothing to do.
Complete!
[root@ip-12-0-14-202 ~]# curl 13.57.193.45:80
this is my second assignment
[root@ip-12-0-14-202 ~]#  curl 54.200.206.84:80
this is my 3rd project
[root@ip-12-0-14-202 ~]#  curl 3.135.206.67:80
s my first project
[root@ip-12-0-14-202 ~]#
```

```
[root@ip-11-0-0-12 ~]# yum install nginx -y
Last metadata expiration check: 3:53:20 ago on Fri
Package nginx-1:1.24.0-1.amzn2023.0.2.x86_64 is al
Dependencies resolved.
Nothing to do.
Complete!
[root@ip-11-0-0-12 ~]# curl 13.57.193.45:80
this is my second assignment
[root@ip-11-0-0-12 ~]#  curl 54.200.206.84:80
this is my 3rd project
[root@ip-11-0-0-12 ~]#  curl 3.135.206.67:80
s my first project
[root@ip-11-0-0-12 ~]#
```