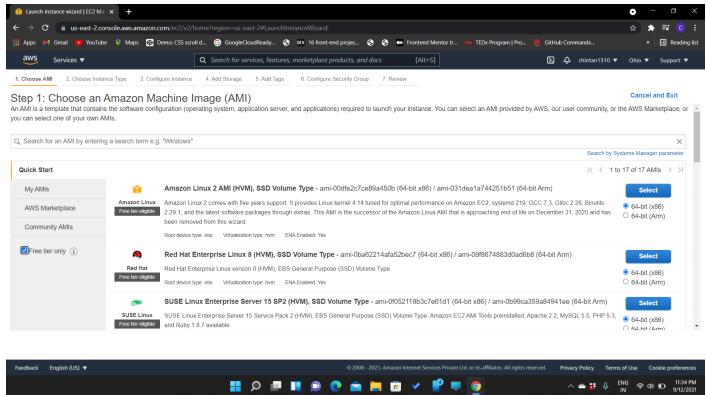


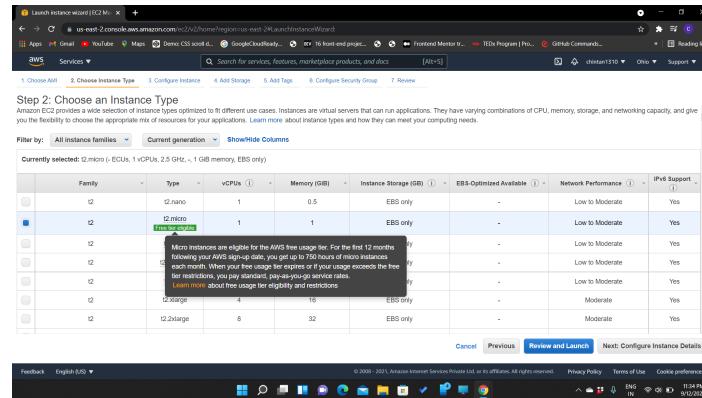
# Assignment 2

## -By Chintan Tripathi

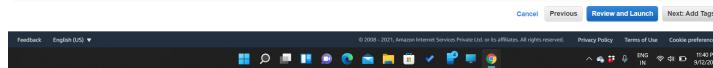
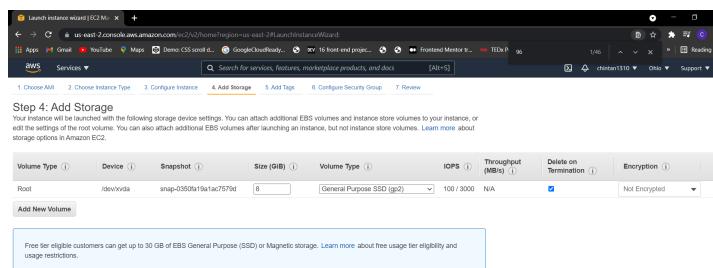
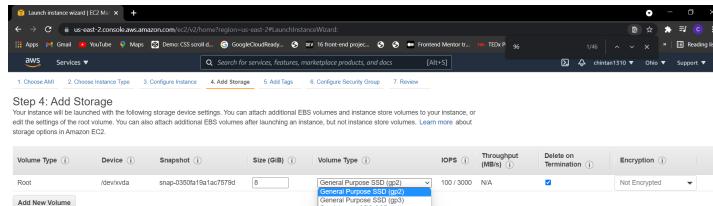
- Create an EC2 instances
  - Instances list with AWI



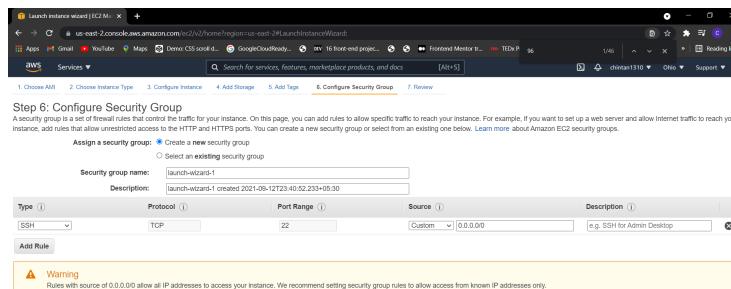
- Instance type where t is family 2 is version and micro is size.

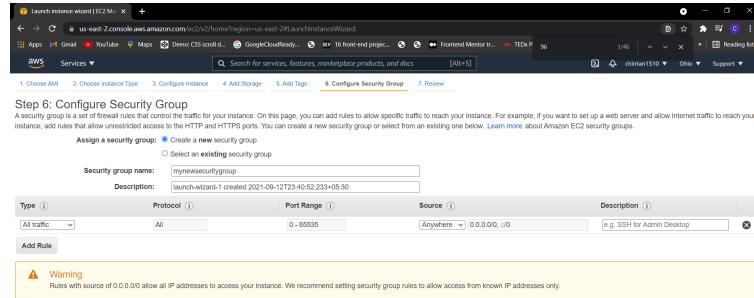


- Add storage with general-purpose in SSD and add Tags



- Edit configure security group with all traffic and anywhere with port range 0-65535





## ● Review and Launch Instance.

**Step 7: Review Instance Launch**

Please review your instance launch details. You can go back to edit changes for each section. Click Launch to assign a key pair to your instance and complete the launch process.

**AMI Details**

Amazon Linux 2 AMI (HVM, SSD Volume Type) - ami-0d0f2c7ce094e400

**Instance Type**

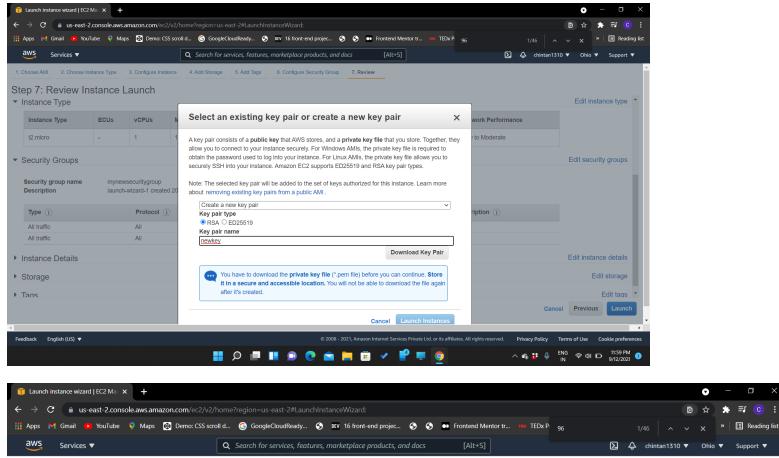
Instance Type	ECUs	vCPUs	Memory (GiB)	Instance Storage (GB)	EBS-Optimized Available	Network Performance
t2.micro	-	1	1	EBS only	-	Low to Moderate

**Security Groups**

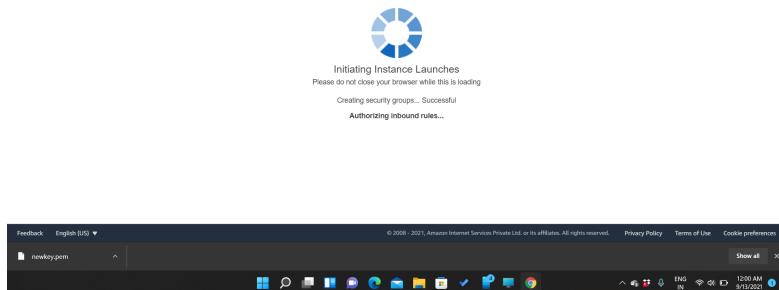
mynewsecuritygroup

**Type**: All traffic  
**Protocol**: All  
**Port Range**: 0 - 65535  
**Source**: Anywhere (0.0.0.0/0)  
**Description**: (e.g. SSH for Admin Desktop)

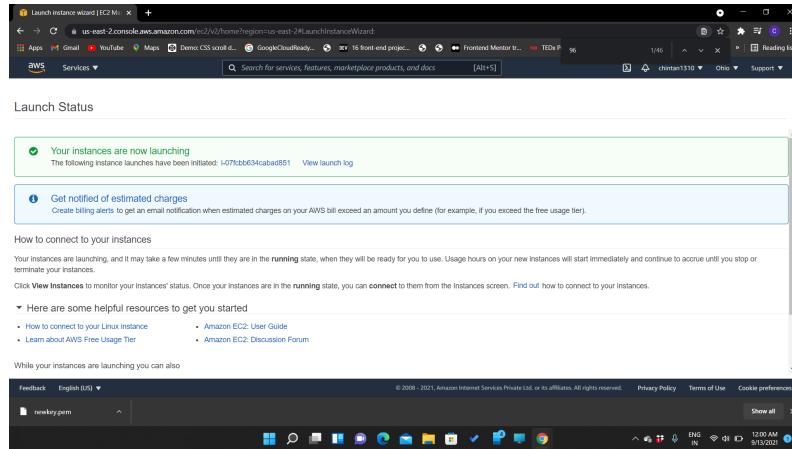
## ● Select new key pair and RSA type with name as new key and download that file.



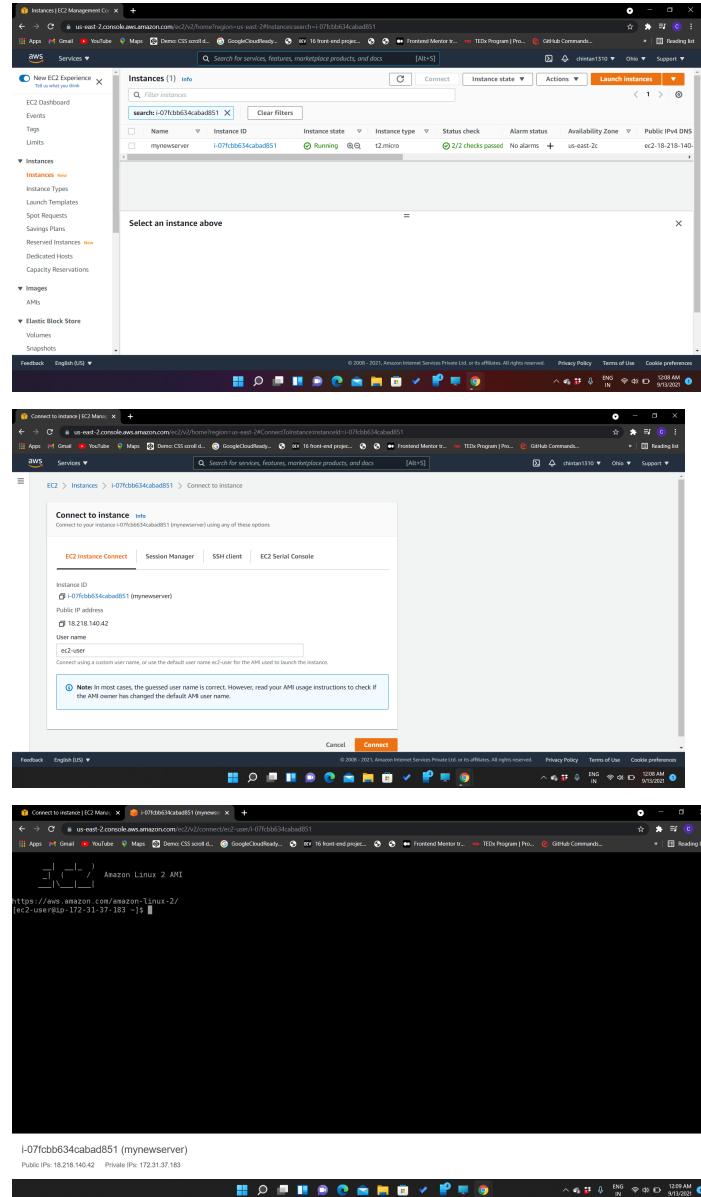
#### Launch Status



- Hurrey!!! Successfully.. :)

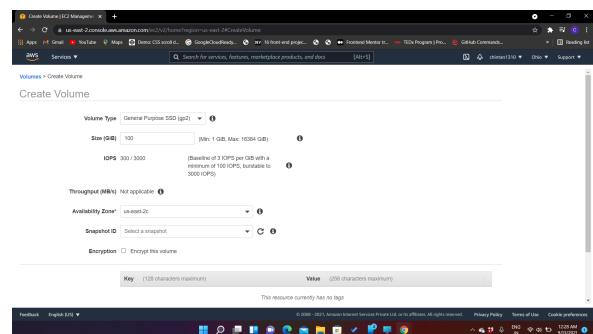


- Create a new EC2 instance with the name mynewserver... After a couple of mins. You can connect it, you will see terminal base UI.

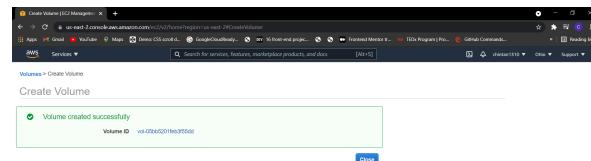


## Assignment 3

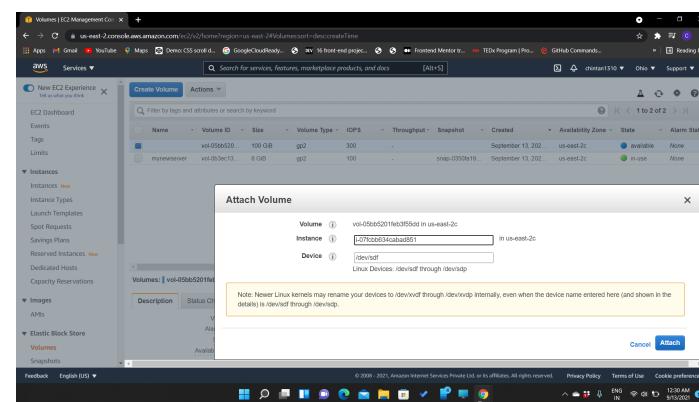
### - Create EBS Volume.



And now it was created successfully.

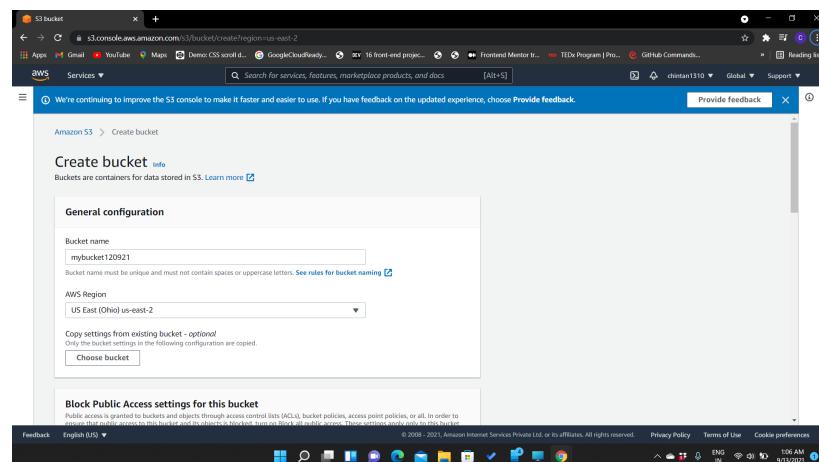


Now select the instance and attach it with the EC2 instance.



## Assignment 4

Create a bucket named **mybucket12092021**



**Successfully Created, Now upload some files in it as below.**

The screenshot shows the AWS S3 Management Console. In the top navigation bar, the URL is `s3.console.aws.amazon.com/s3/upload?mybucket120921&region=us-east-2`. The main area displays a table titled 'Files and folders (1 item, 384.8 KB)' containing one item: 'Screenshot (1).png'. Below this is a 'Destination' section with the path 's3://mybucket120921'. A 'Permissions' section indicates 'Grant public access and access to other AWS accounts.' A 'Properties' section allows specifying storage class, encryption settings, tags, and more. At the bottom right are 'Cancel' and 'Upload' buttons.

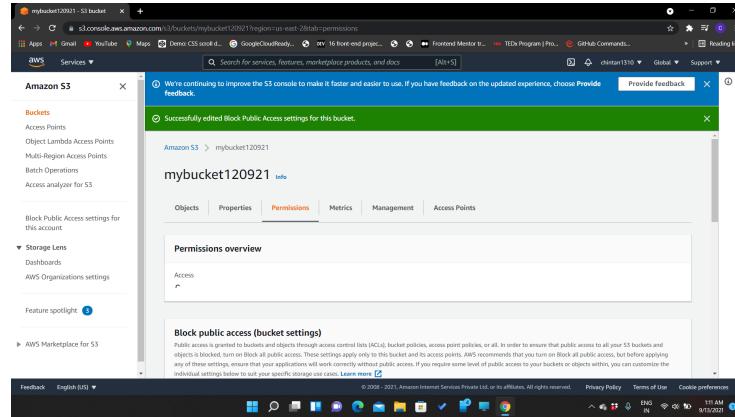
  

The screenshot shows the AWS S3 Management Console with the URL `s3.console.aws.amazon.com/s3/buckets/mybucket120921?region=us-east-2&tab=objects`. It displays the 'mybucket120921' bucket's contents under the 'Objects' tab. There is one object listed: 'Screenshot (1).png'. The details show it was uploaded on September 13, 2021, at 01:09:19 UTC+05:30. The file is a standard type (png) and has a size of 384.8 KB. The storage class is Standard. Navigation tabs include Objects, Properties, Permissions, Metrics, Management, and Access Points.

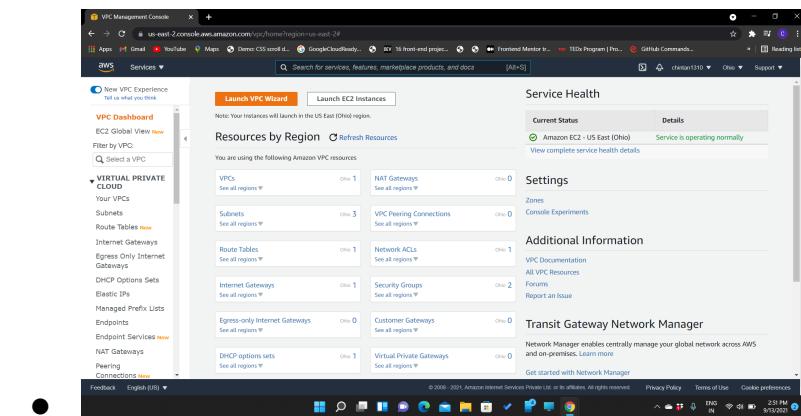
**It is not accessible publicly so we have to give some permission with type confirm**

The screenshot shows the AWS S3 Management Console with the URL `s3.console.aws.amazon.com/s3/bucket/mybucket120921?property?region=us-east-2`. On the left, there is a sidebar with various S3 management options like Block Public Access settings for this account, Storage Lens, Organizations, AWS Organizations settings, Feature updates, and AWS Marketplace for S3. The main area shows a 'Block public access (bucket settings)' dialog box. It contains a warning message: 'Updating the Block Public Access settings for this bucket will affect this bucket and all objects within. This may result in some objects becoming public...'. Below this is a field labeled 'To confirm the settings, enter confirm in the field.' with the word 'confirm' typed in. At the bottom are 'Cancel' and 'Confirm' buttons.

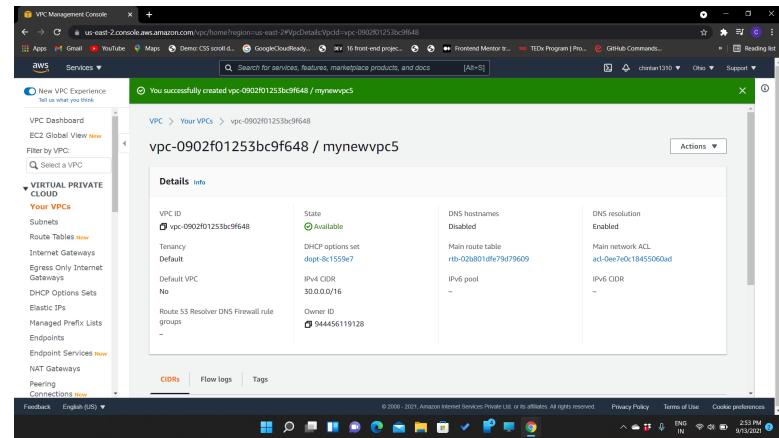
**Now you can see a green line with a success message.**



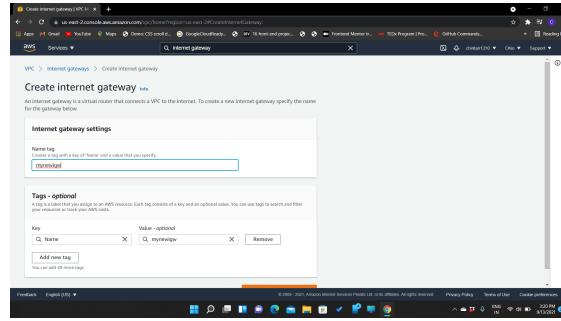
## Now Create a VPC



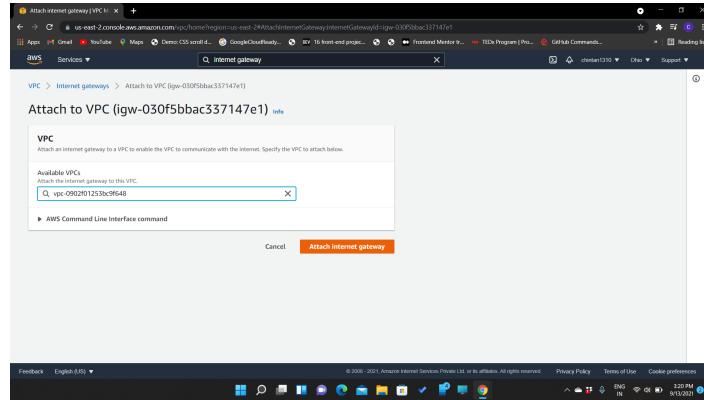
Type name as mynewvpc5 and IP is 30.0.0.0/16 and submit it. You can see this interface :-



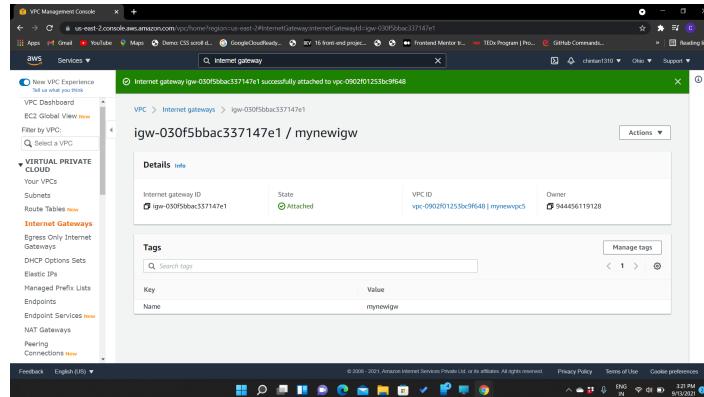
- Create a gateway named mynewgw



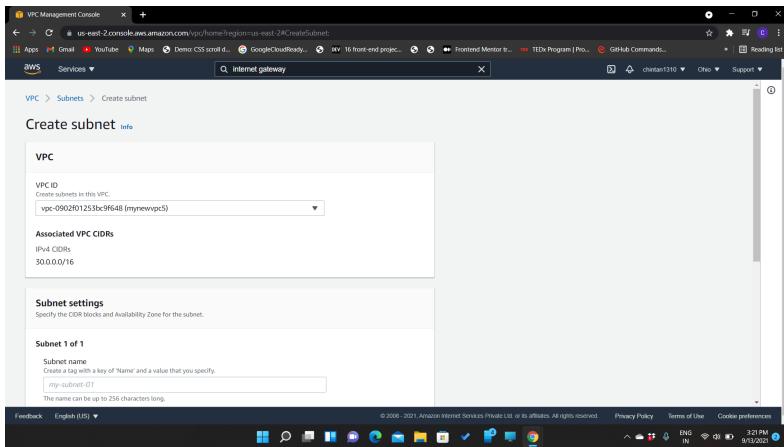
## Now Attach it with VPC:



You will see the attached state on your desktop.

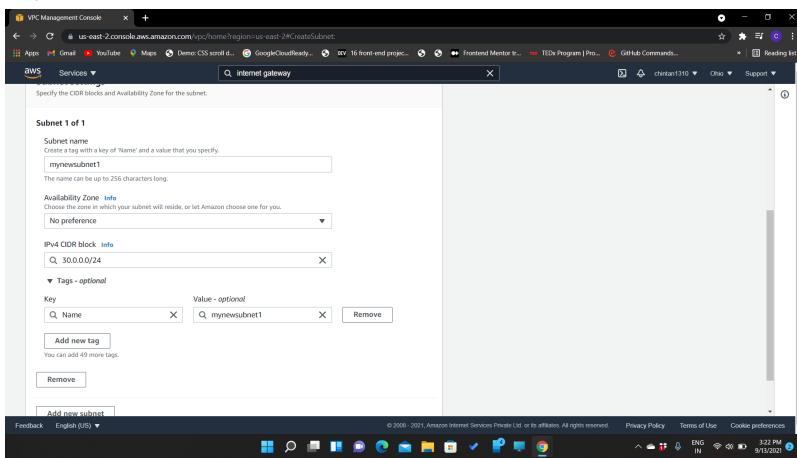


- Now create a new SUBNET

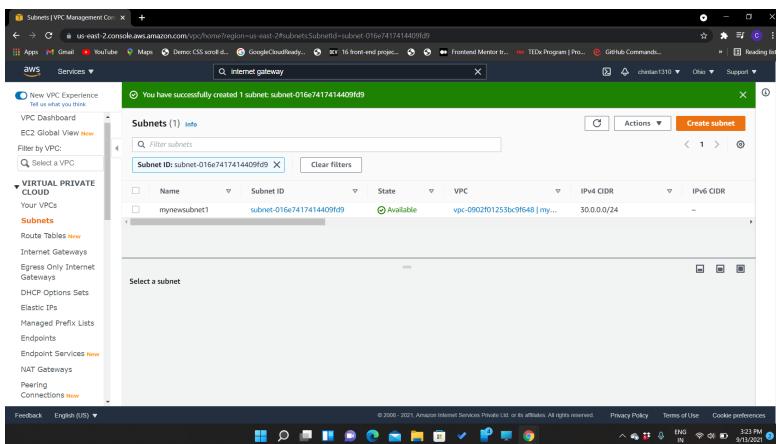


type name as

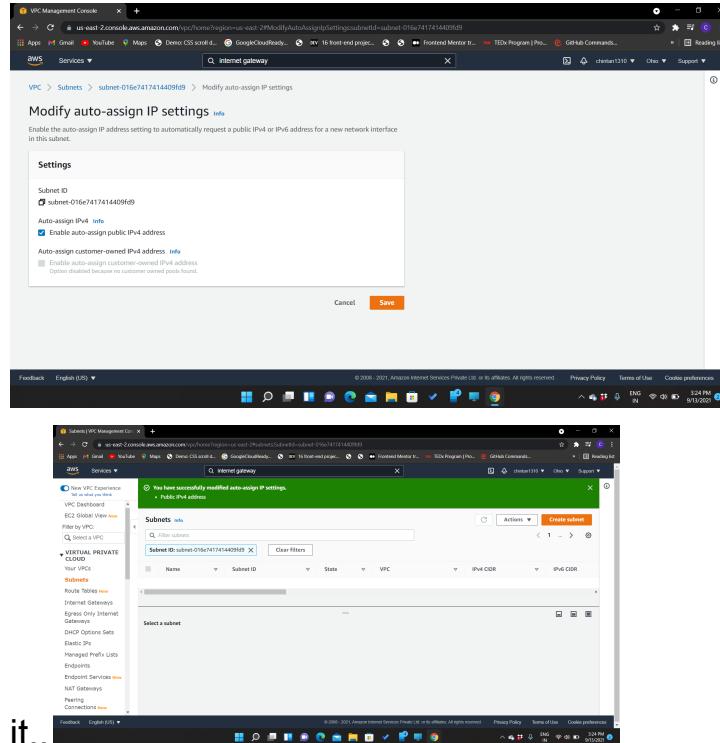
**mynewssubnet1** and **30.0.0.0/24**



Now you see this interface with the success message.

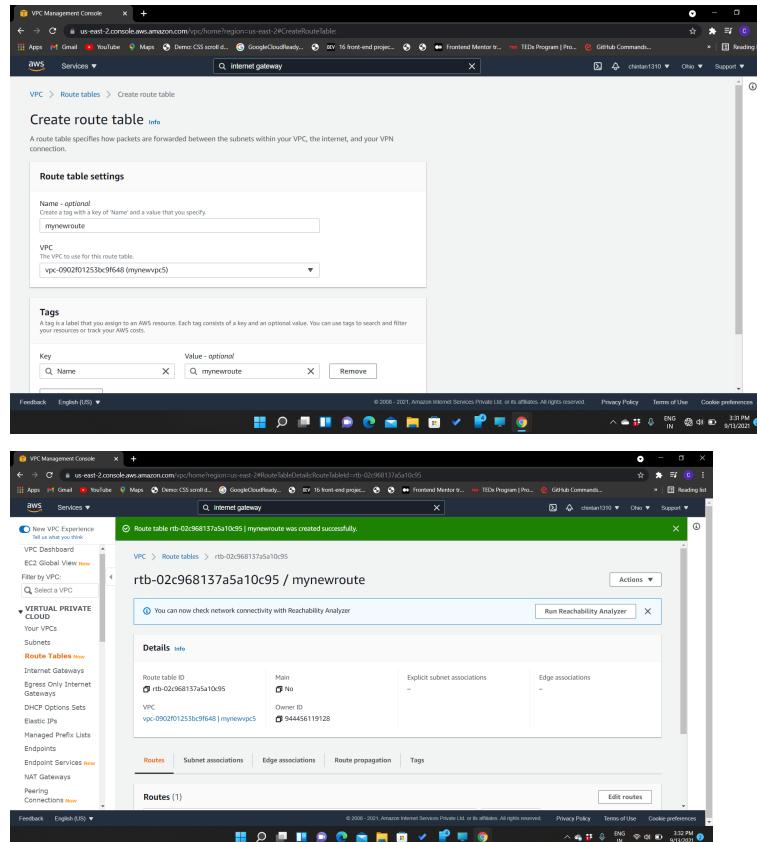


- Now enable IPv4 access through the action part and make it checked or enabled.

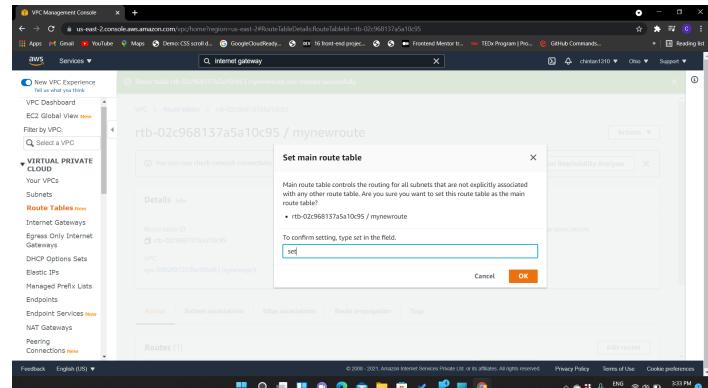


Done it..

- Create A Route Table.  
Name is mynewroute and select VPC

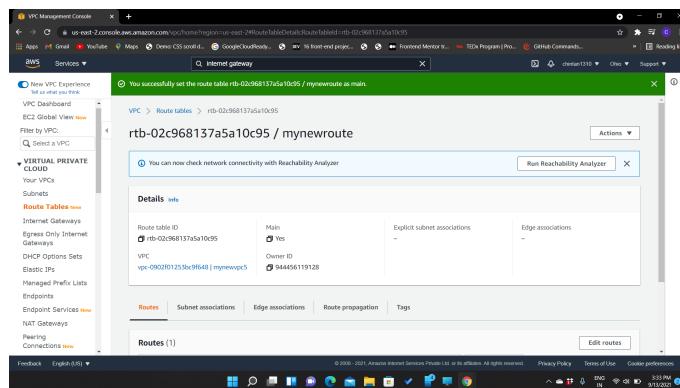


Scroll down and try to permit the set main table with “SET” in

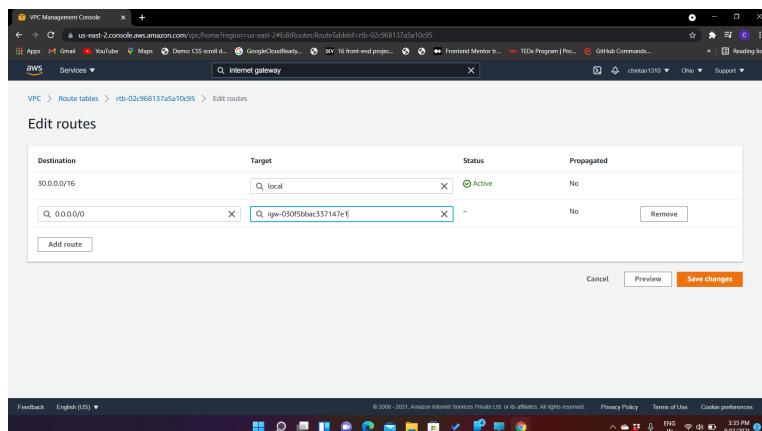


input block.

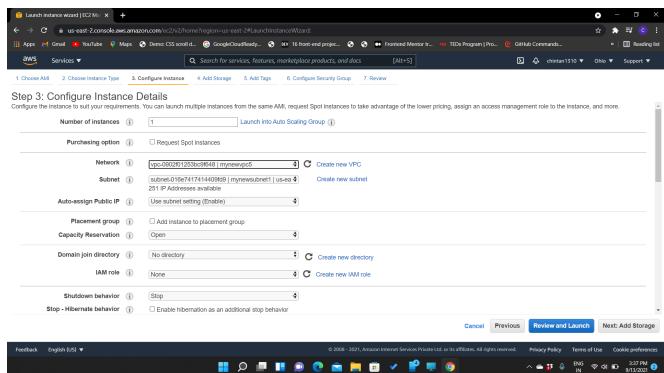
- Now it is a Main Route Table



Go to the VPC and edit the table with add new route as below:-

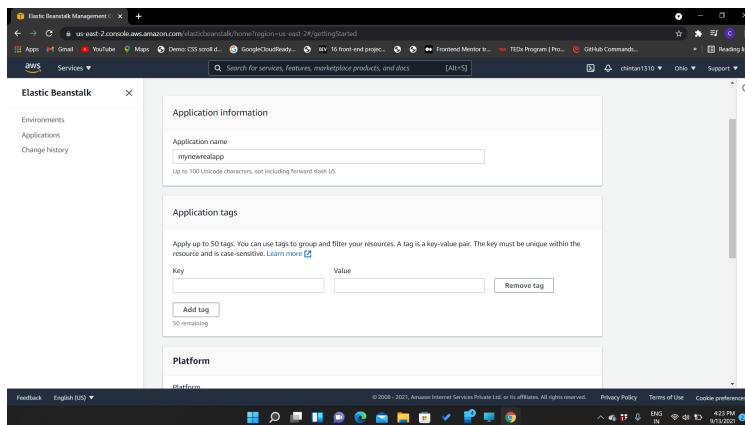


Now If you want to change the Network with VPC then you have to change Config. Details from Instances.Like this...

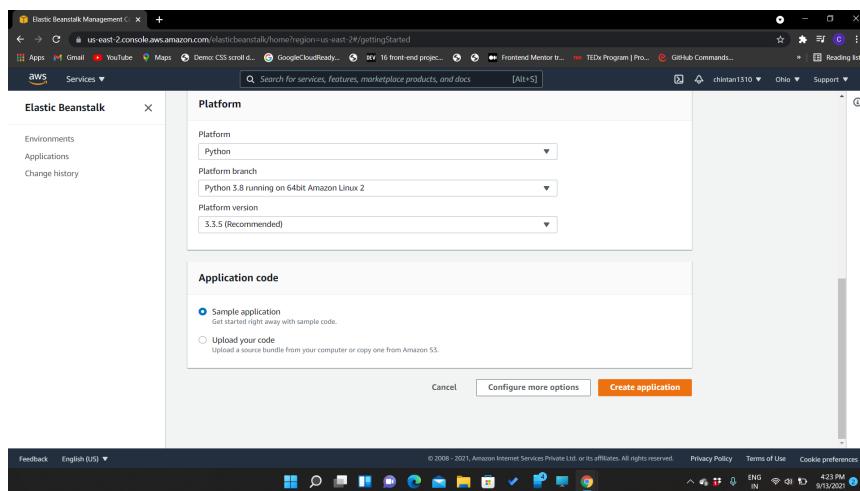


## Assignment 6

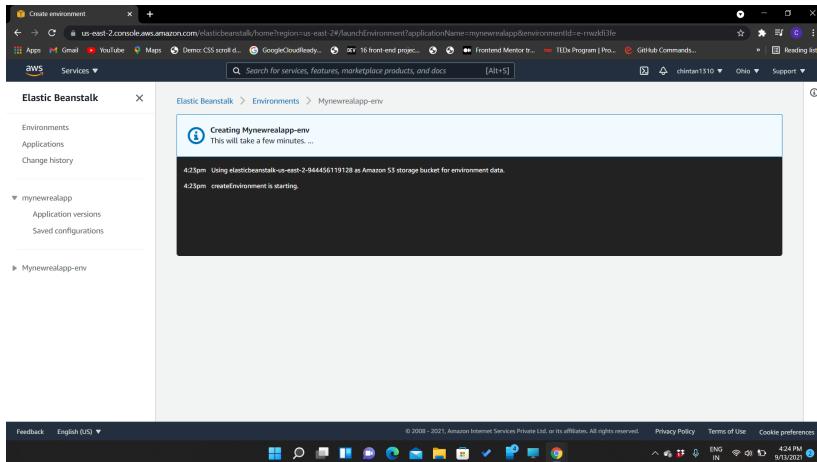
### 1. Deploying a sample App on Elastic Beanstalk as “ymynewstalk”



### 2. Create App, Domain and Launch it with the Web Page and verify.



You have to choose diff. platform here I choose Python as mam taught. After this, you will see this page with some processes for some minutes.



Congratulations your app is successfully Deployed.

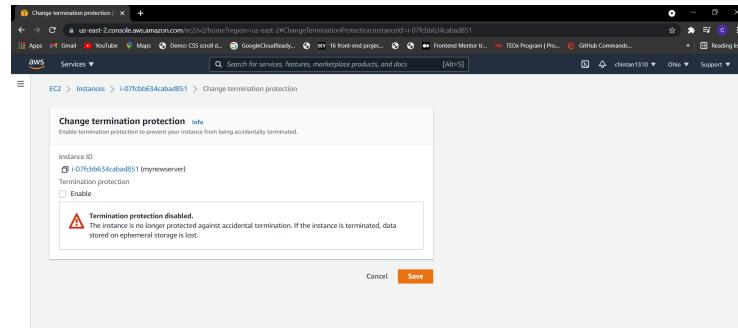
The image contains three screenshots of the AWS Elastic Beanstalk dashboard for the 'Mynewrealapp-env' environment.

- Screenshot 1:** Shows the environment details. Health status is 'Ok' (green). Platform is 'Python 3.8 running on 64bit Amazon Linux 2/3.3.5'. Recent events show a successful deployment: "Environment health has transitioned from Pending to Ok. Initialization completed 33 seconds ago and took 3 minutes." (Time: 2021-09-13 16:27:41 UTC+05:30, Type: INFO).
- Screenshot 2:** Shows the deployment history. It lists a single deployment entry: "Deployment successful" (Time: 2021-09-13 16:27:41 UTC+05:30, Status: Succeeded).
- Screenshot 3:** Shows the deployment logs. The log output is: "2021-09-13 16:27:41,480 INFO Environment health has transitioned from Pending to Ok. Initialization completed 33 seconds ago and took 3 minutes."

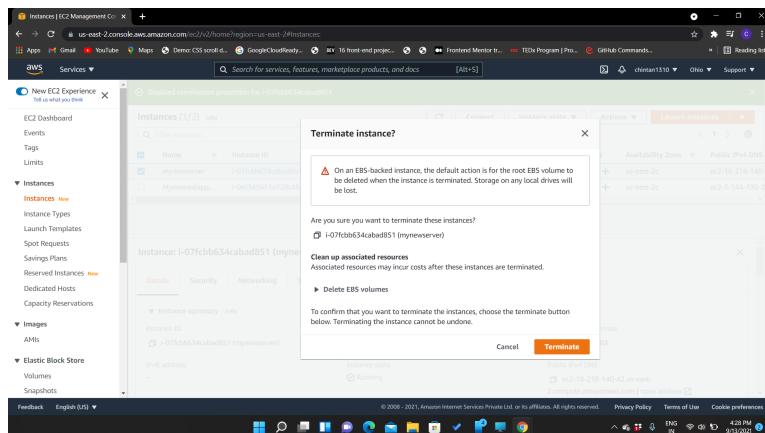
**EXTRA NOTE:**

Whenever you finish your process just eliminate or terminate all the instances from the AWS platform.

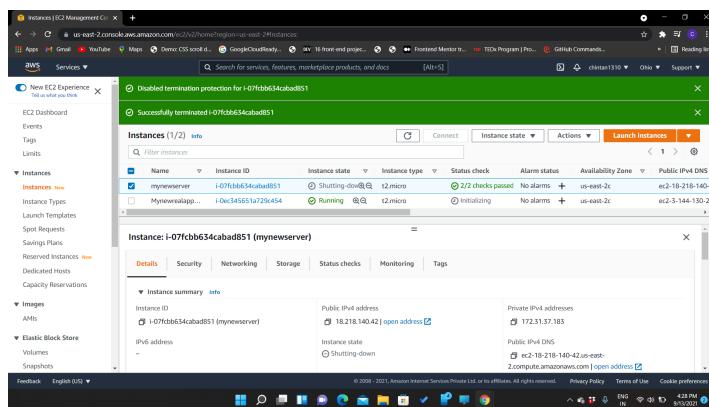
For that purpose just search ec2 instances and then select it and



do after this you can simply terminate it by clicking Terminate.



Now this is last step of this process.



Thank you :)