Assignment 5

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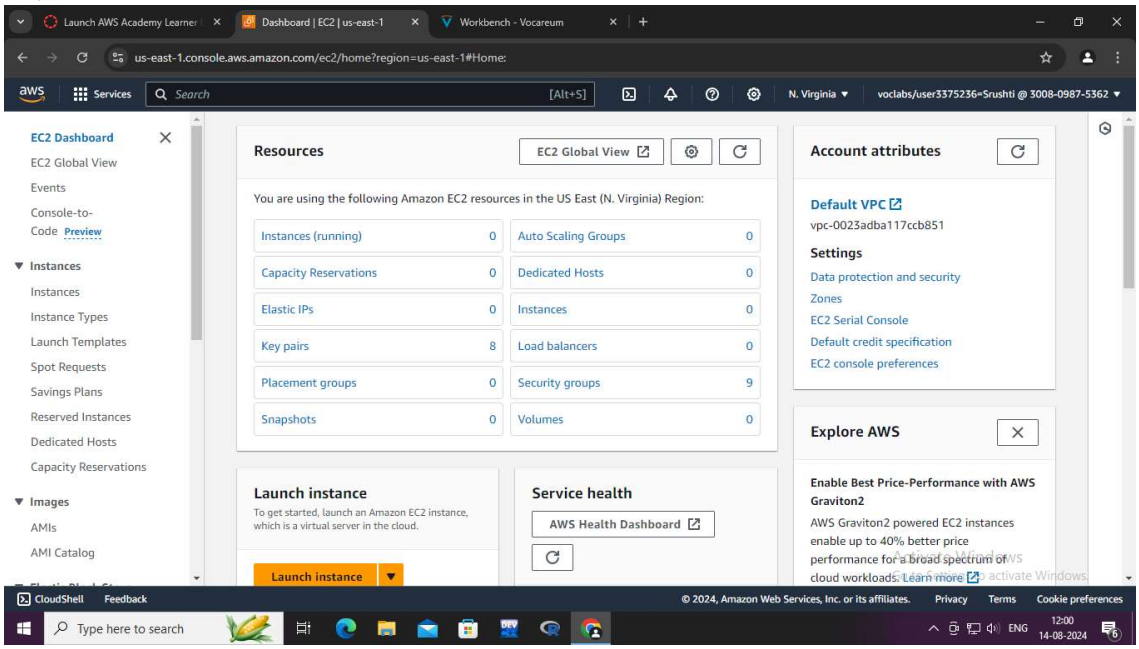
Class: Msc CS Part 2

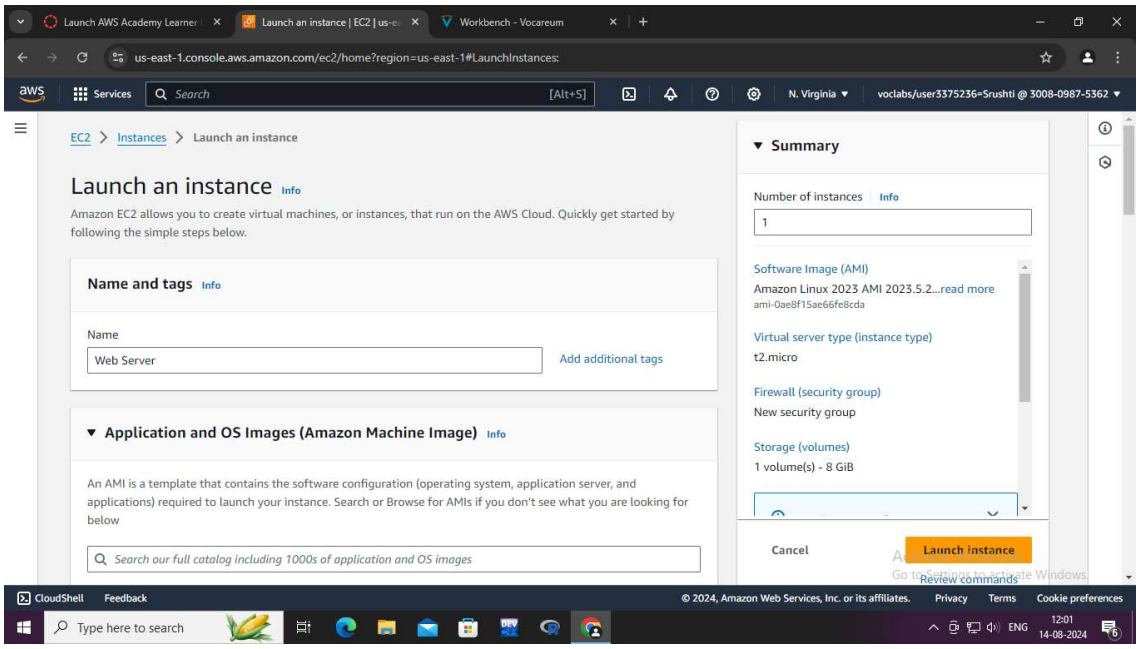
Q.)Working and Implementation of Infrastructure as a service Launch Your Amazon EC2 Instance. Write the shell script in the User Data box. The script will: • Install an Apache web server (httpd) • Configure the web server to automatically start on boot • Run the Web server once it has finished installing • Create a simple web page Update Your Security Group and Access the Web Server. (Use AWS Platform)

Step 1:Login in to your AWS account and go to service->Compute->EC2

Step 2:Click on Launch Instance



Step 3:Now in Name and tags,you can give name to the instance.Here I give name as Web Server



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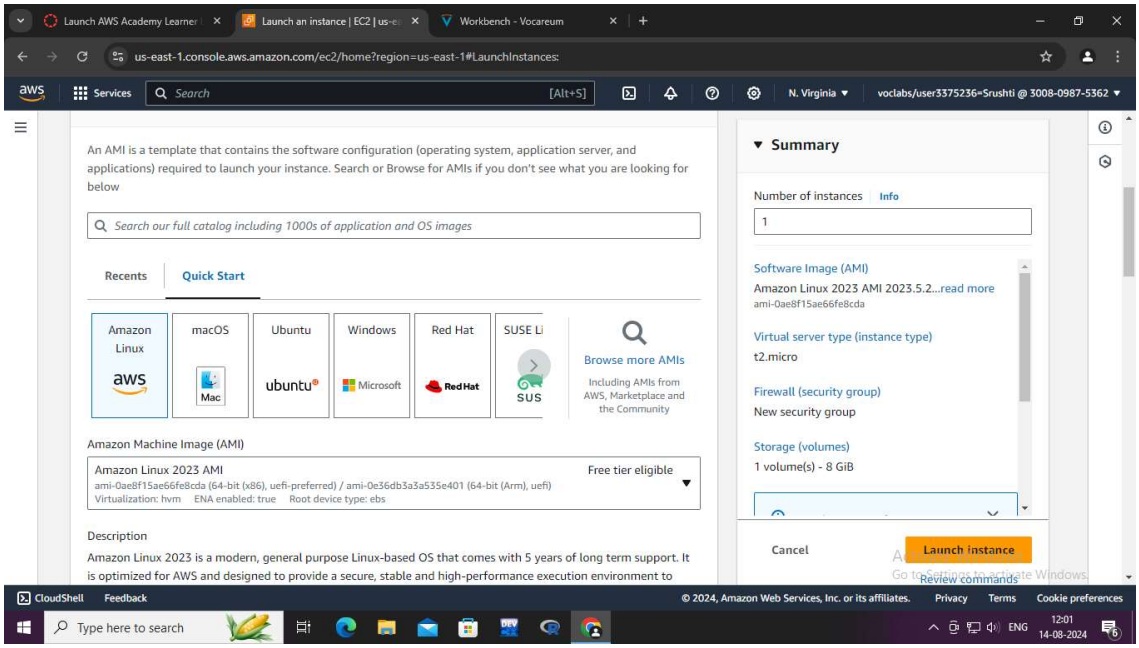
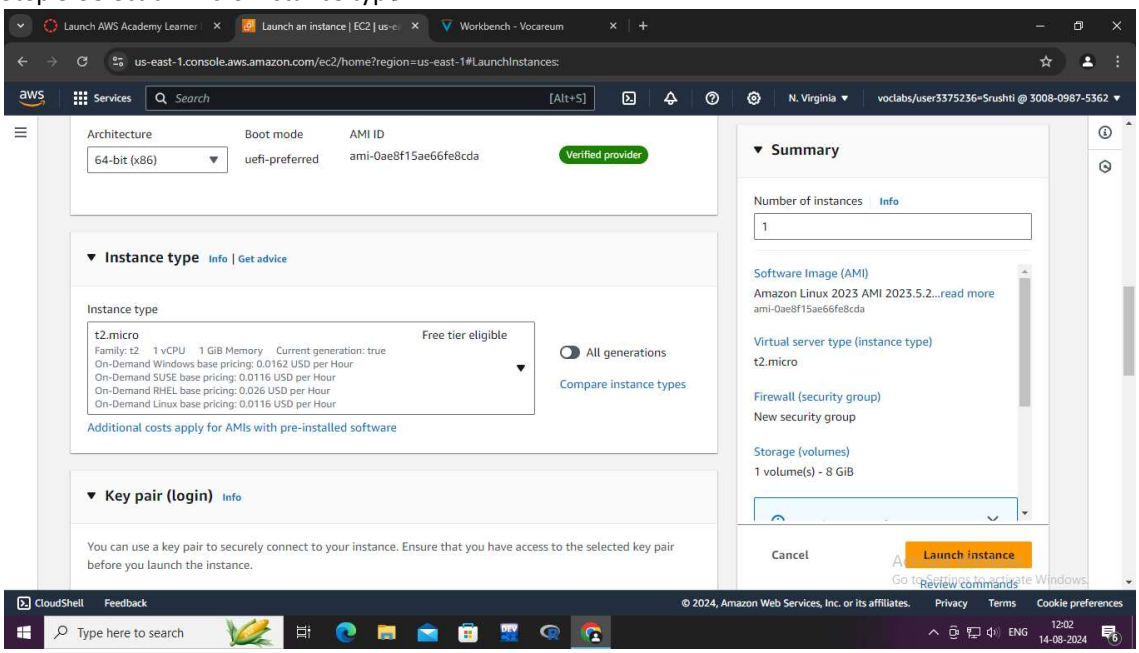
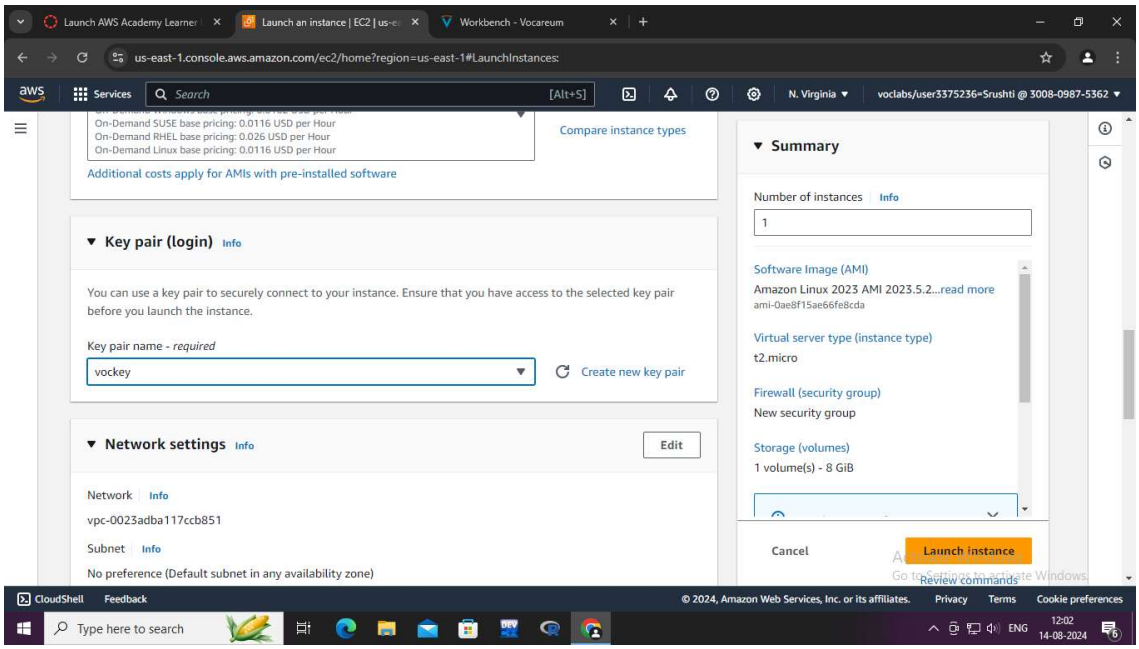
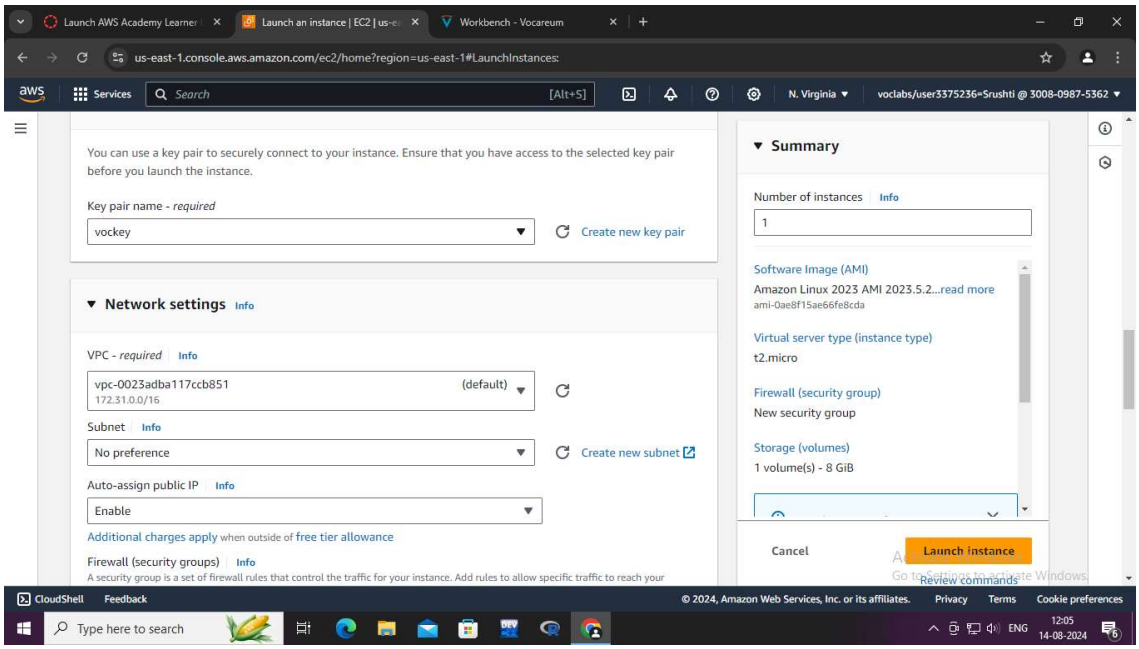


Step 5:Select t2.micro instance type

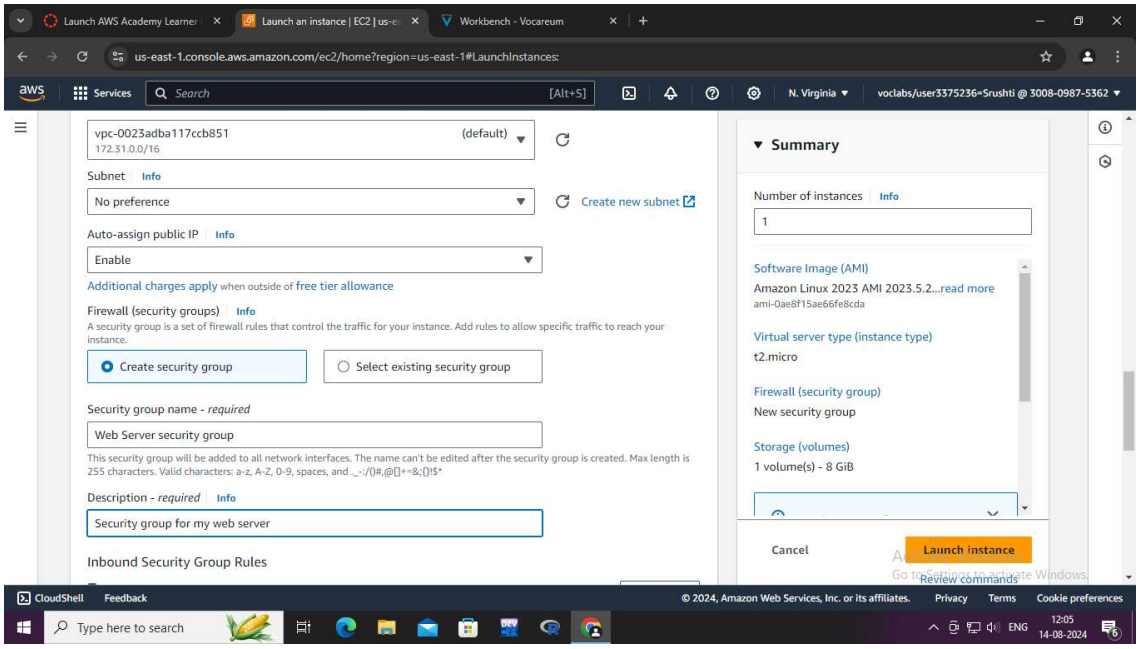


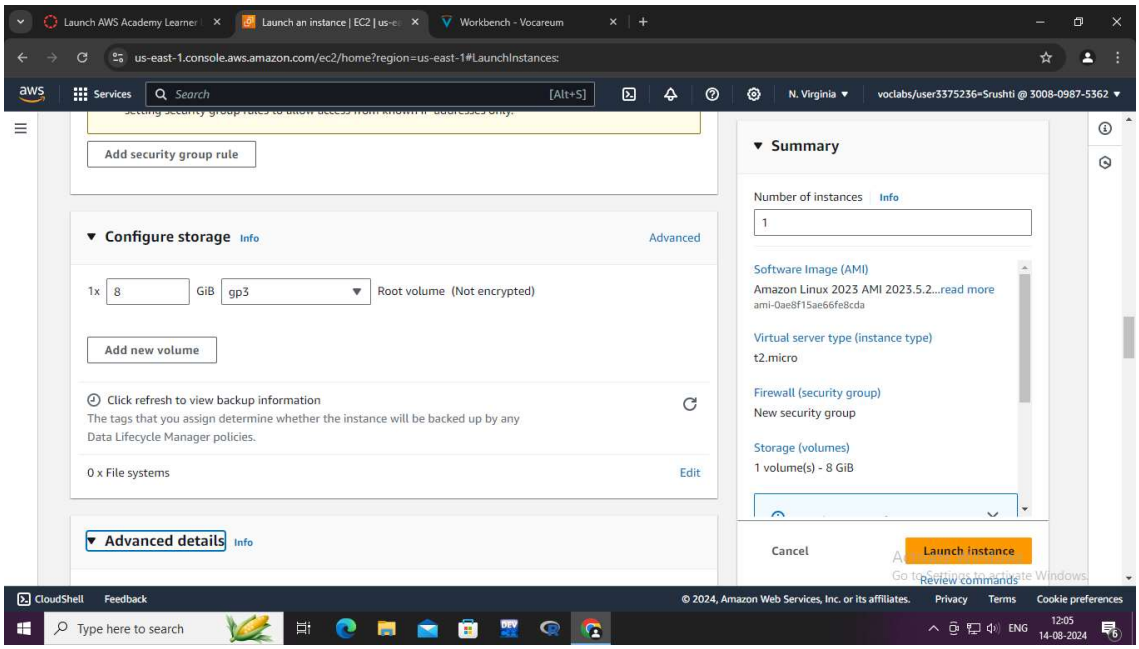
Step 6:In the key pair,select vockey from the dropdown list.And in networking settings,select lab VPC





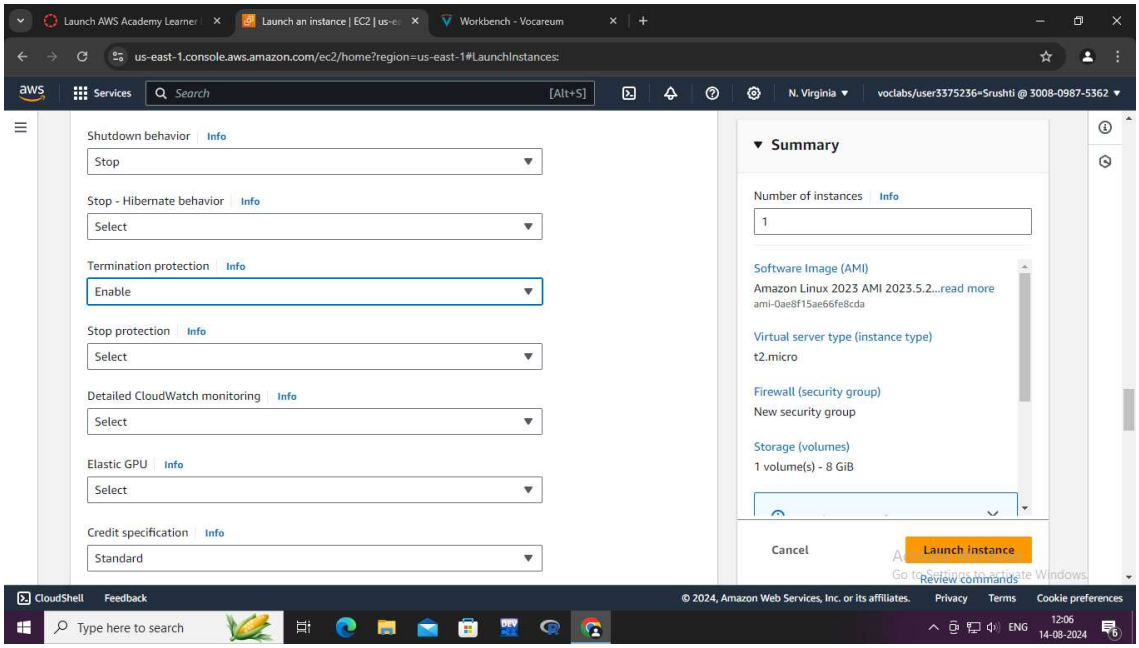
Step 7:Give security group name as Web Server Security Group and description as Security group for my web server

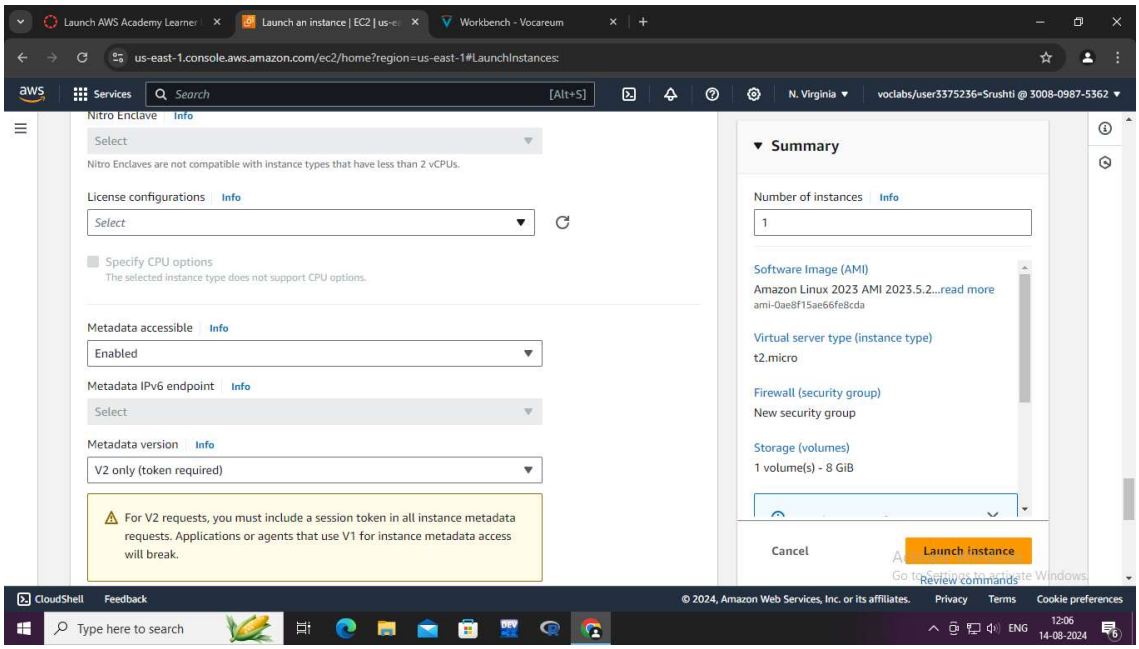




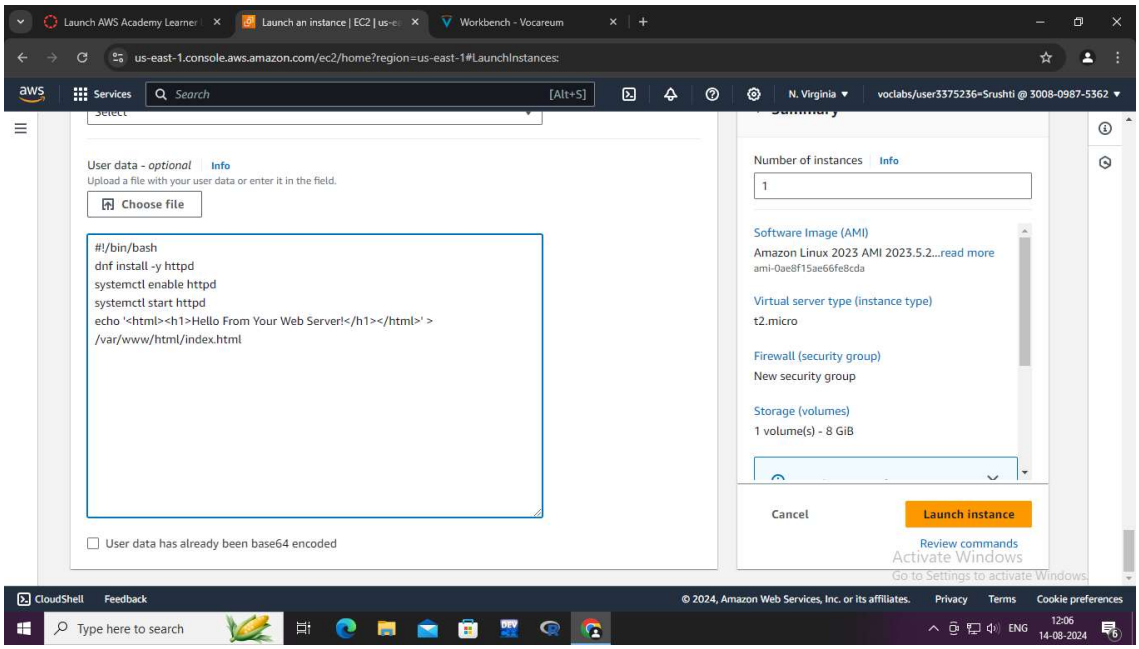
Step 8:Remove the inbound security group rules

Step 9:Keep Termination Protection enable

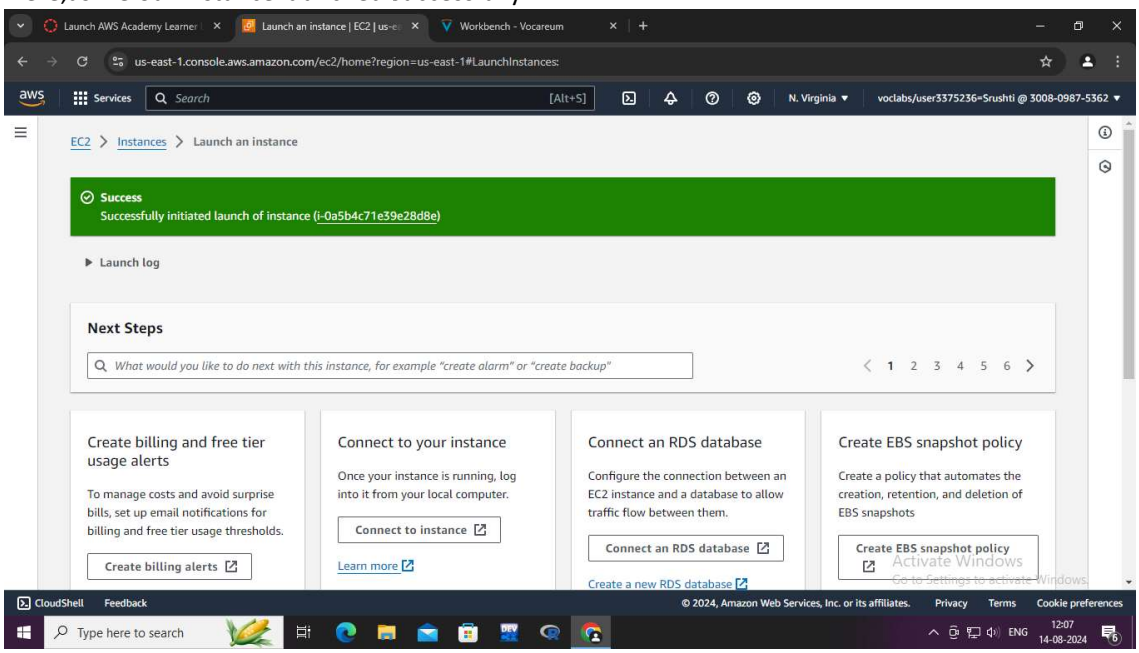




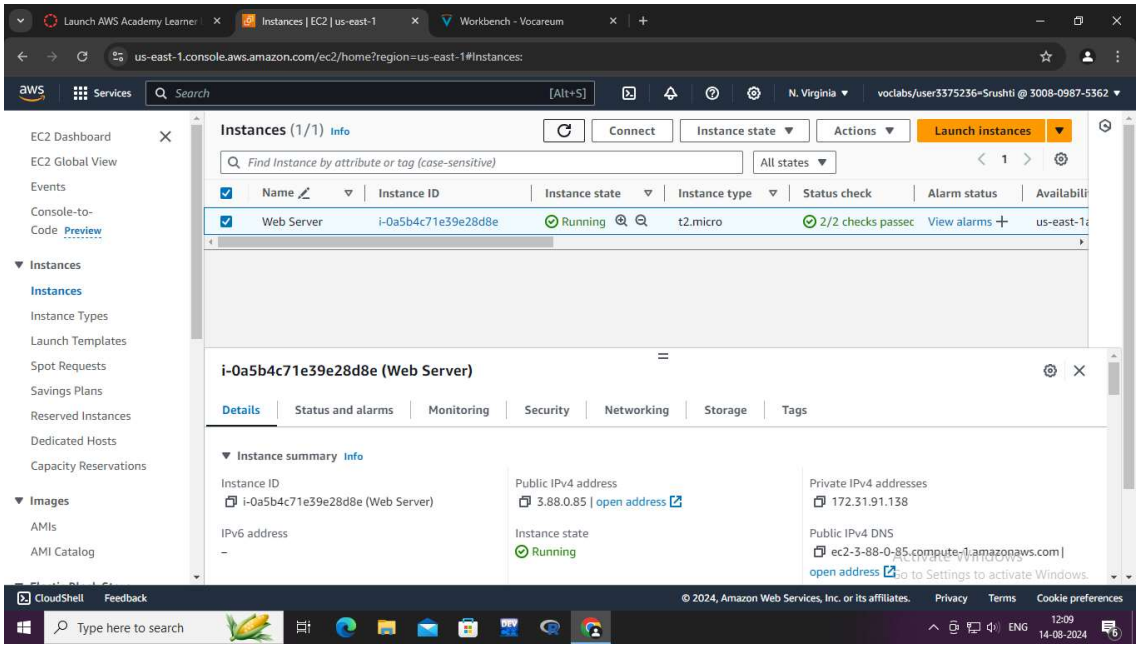
Step 10:Enter the script to Install httpd,configure the web server to automatically start on boot ,run the Web server once it has finished installing ,create a simple web page named as ‘index.html’ and click->Launch instance



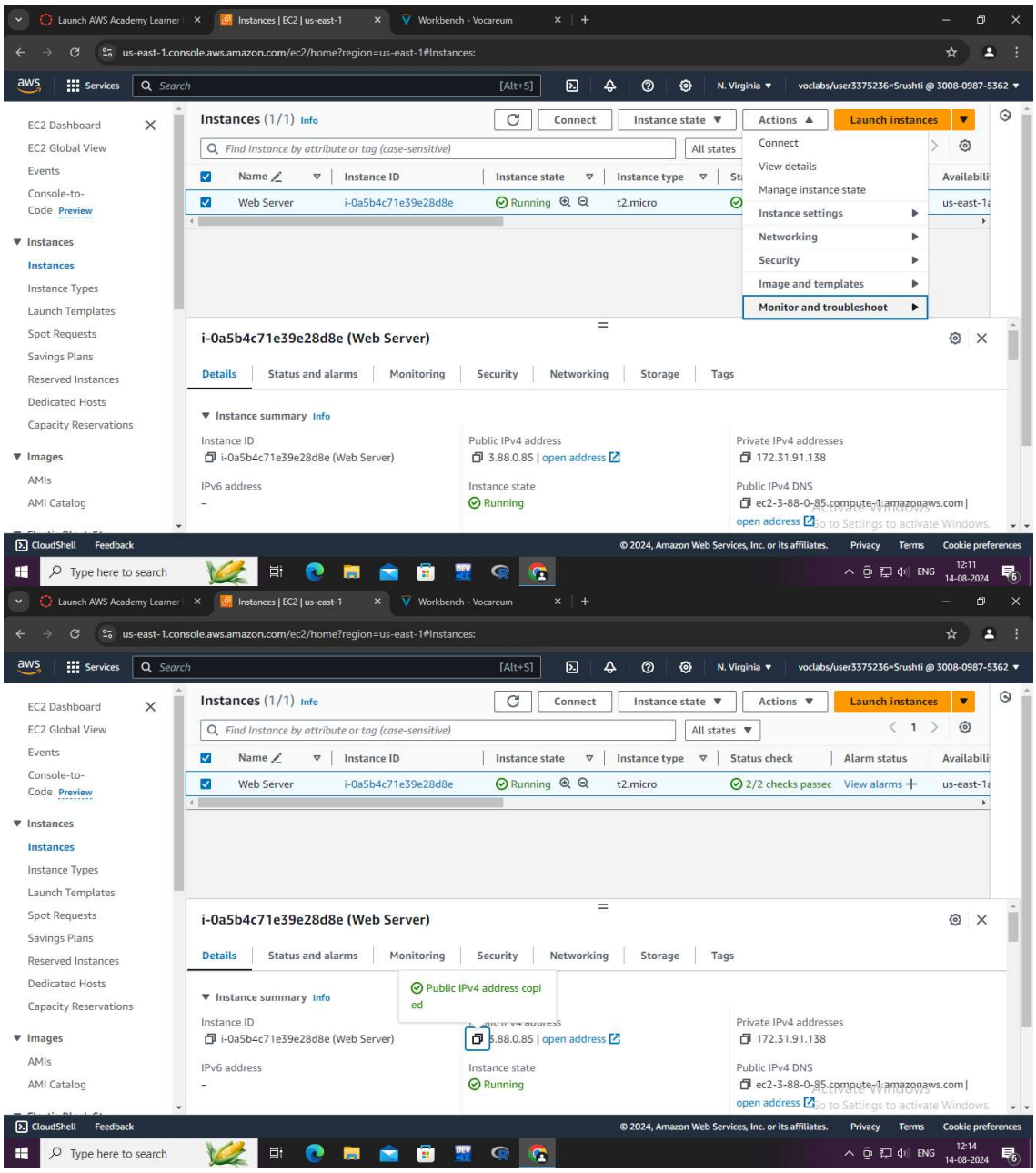
Here,as we our instance launched successfully.



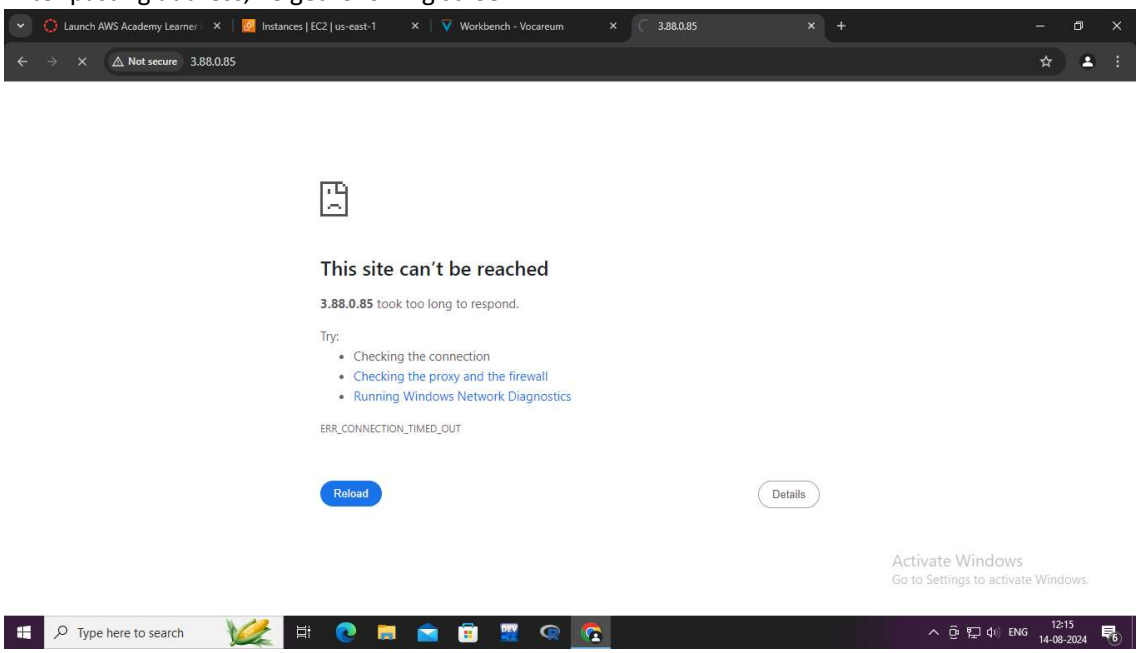
Step 11: Here you can see your instances and wait for some time till status check 2/2 and instance state running.



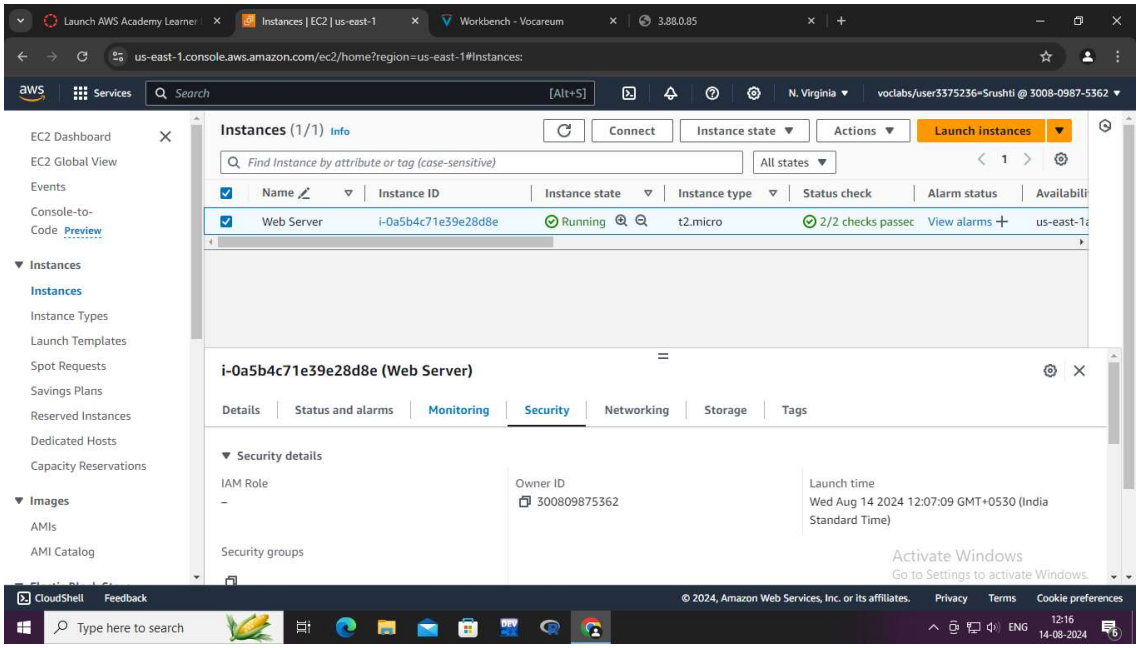
Step 14:Go to Instances,select web server then choose details and copy the public IPv4 address and paste it in new tab



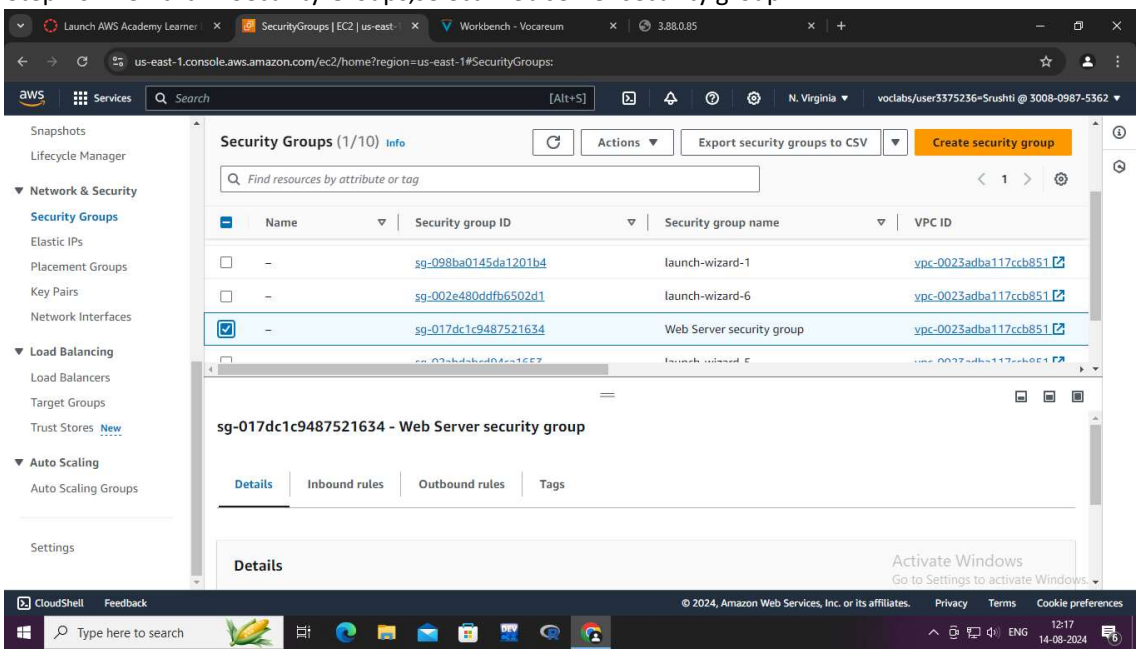
After pasting address,we get following scree



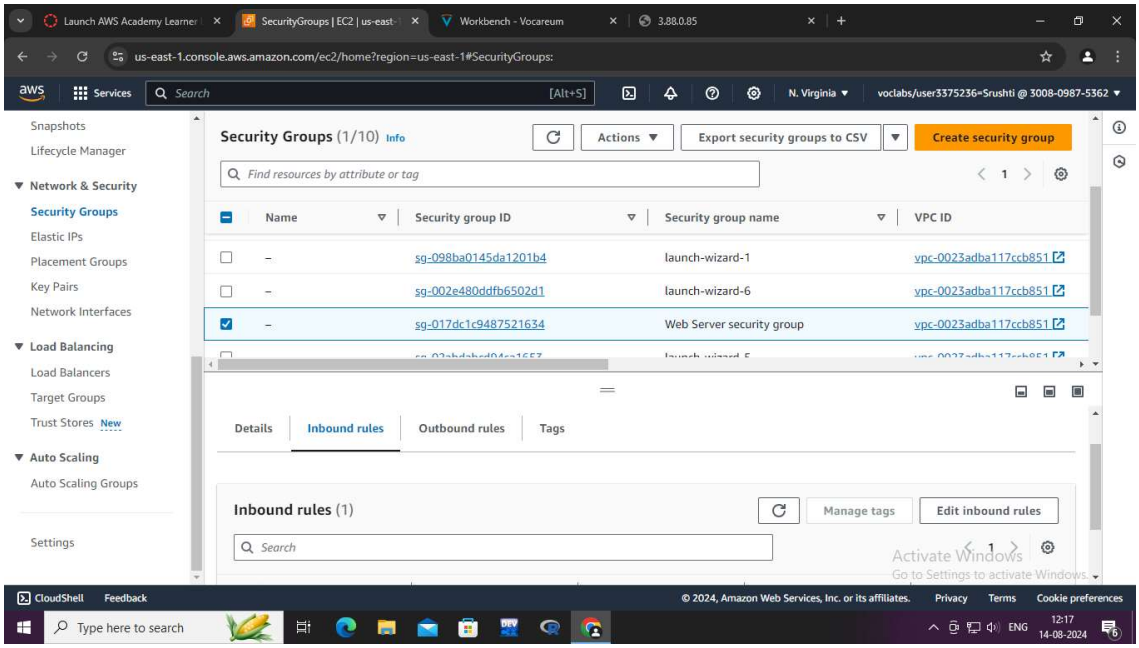
Step 15:Go back to EC2 tab

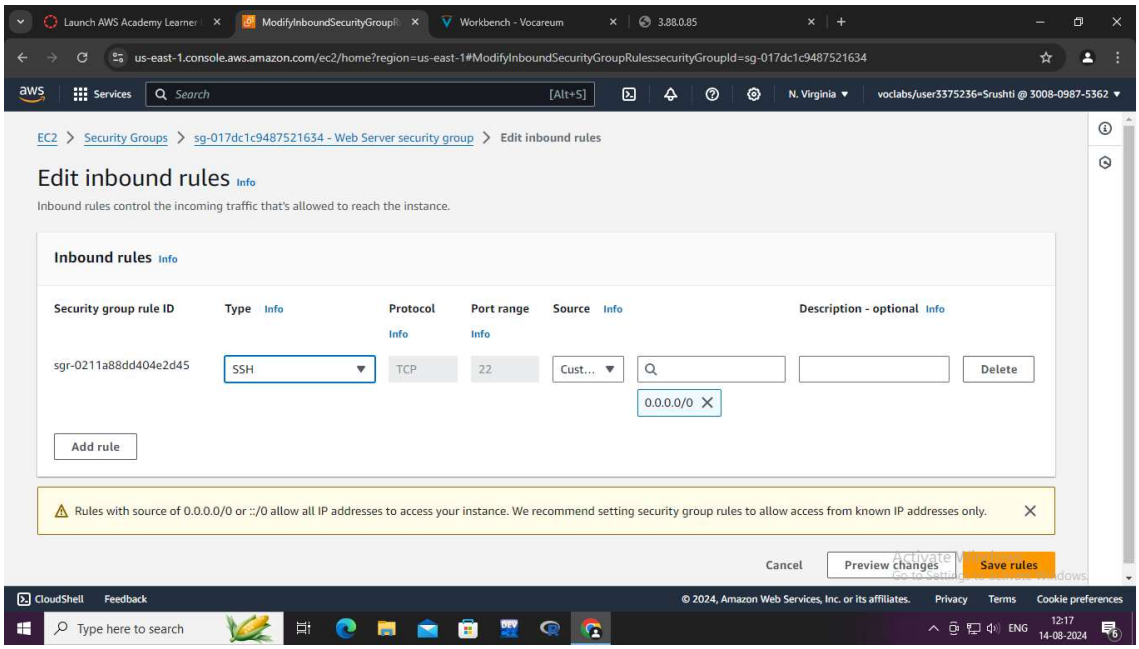


Step 16:Then click->Security Groups,select Web server security group

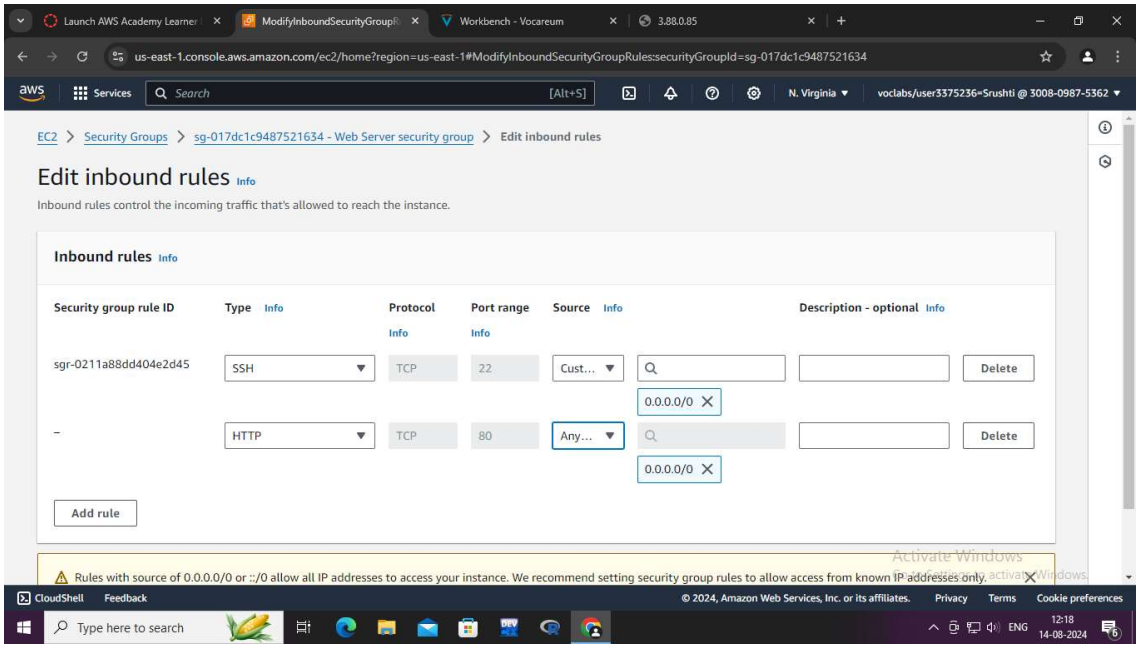


Step 17:Under Inbound rules choose Edit inbound rules

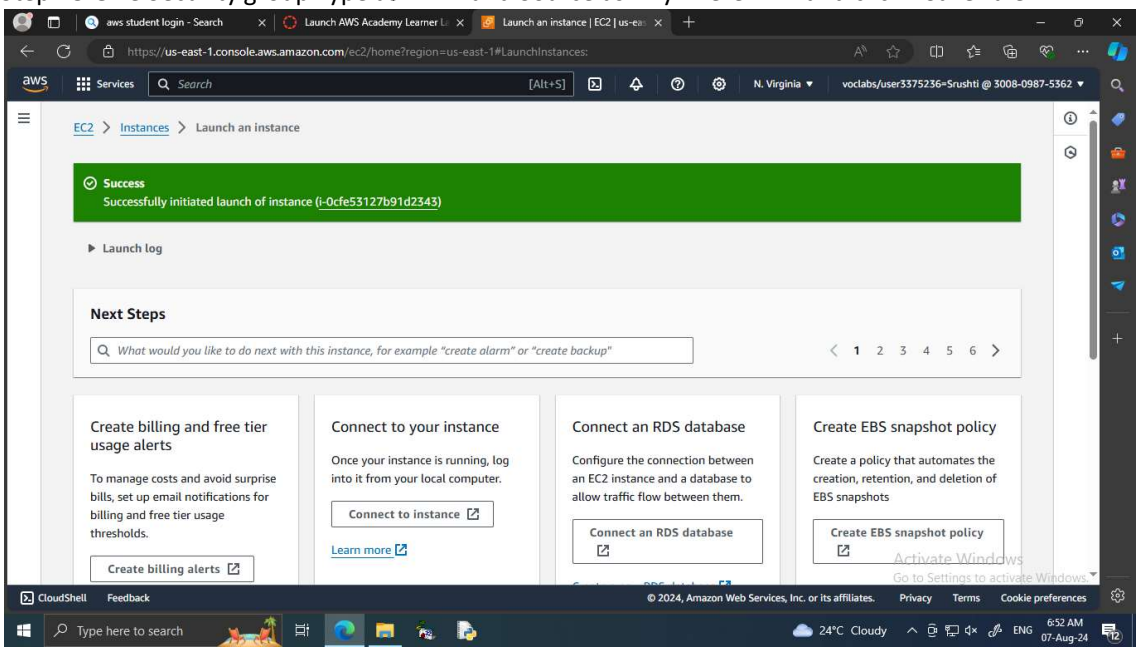


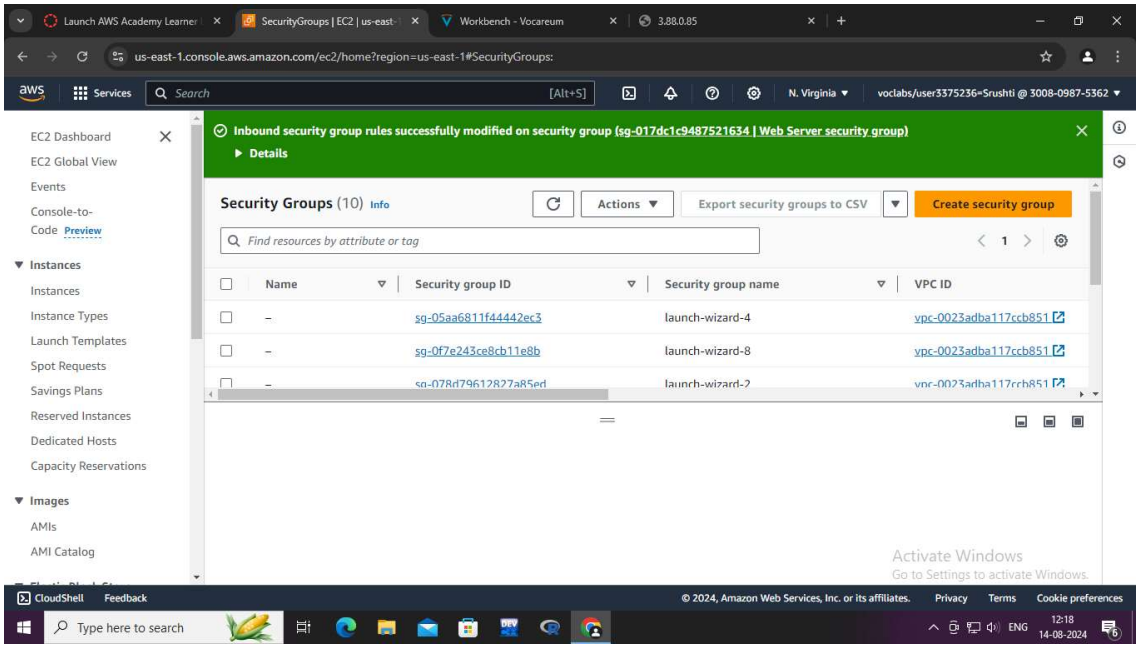


Then,click on Add rule



Step 18:Give Security group Type as HTTP and Source as Anywhere IPv4 and click->Save rule





Now we can able to see that web page is working