Project 1

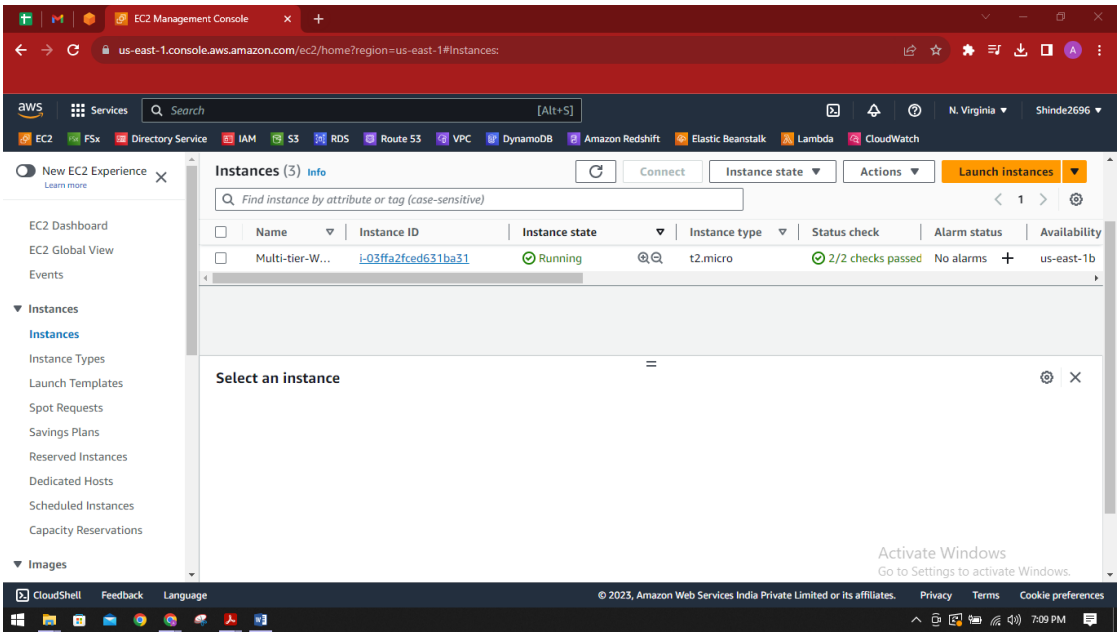
Problem Statement:

Company ABC wants to move their product to AWS. They have the following things set up right now:
1. MySQL DB
2. Website (PHP)

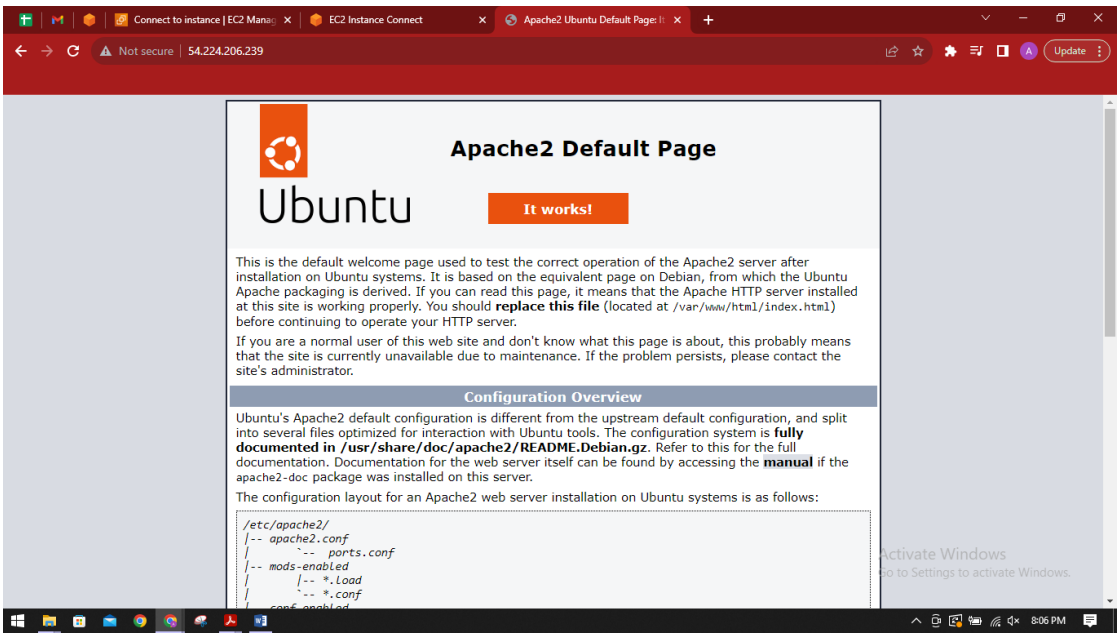
The company wants high availability on this product, therefore wants Auto Scaling to be enabled on this website.

Solution :

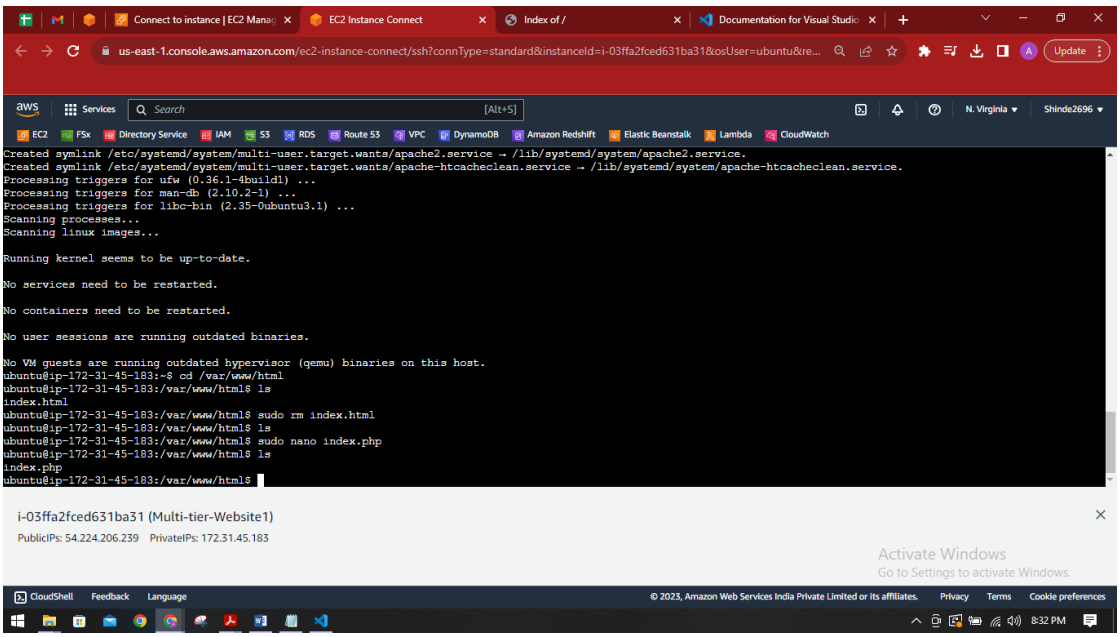
Created an Instance using Ubuntu as it is more reliable.



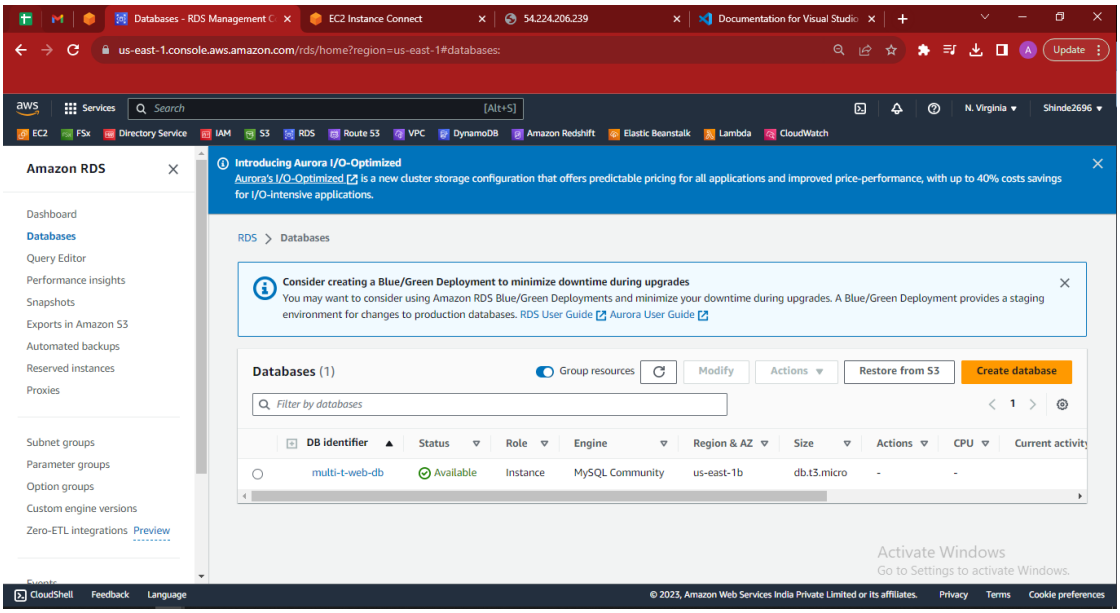
Then updated it Ubuntu and then installed the Apache page.



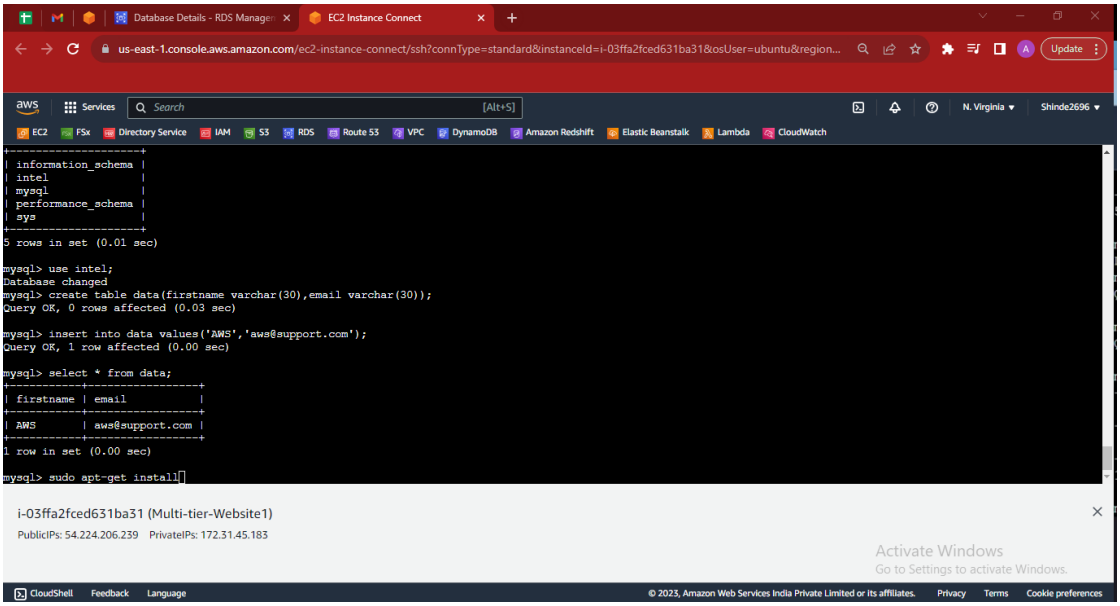
Remove the index.html file from the directory and then created a new file with the commands given in the code zip file and then saved it.



To store the information of the website, we created Database



Then in the instance connected installed MySQL, then created a table named ‘data’ and then inserted values in it.

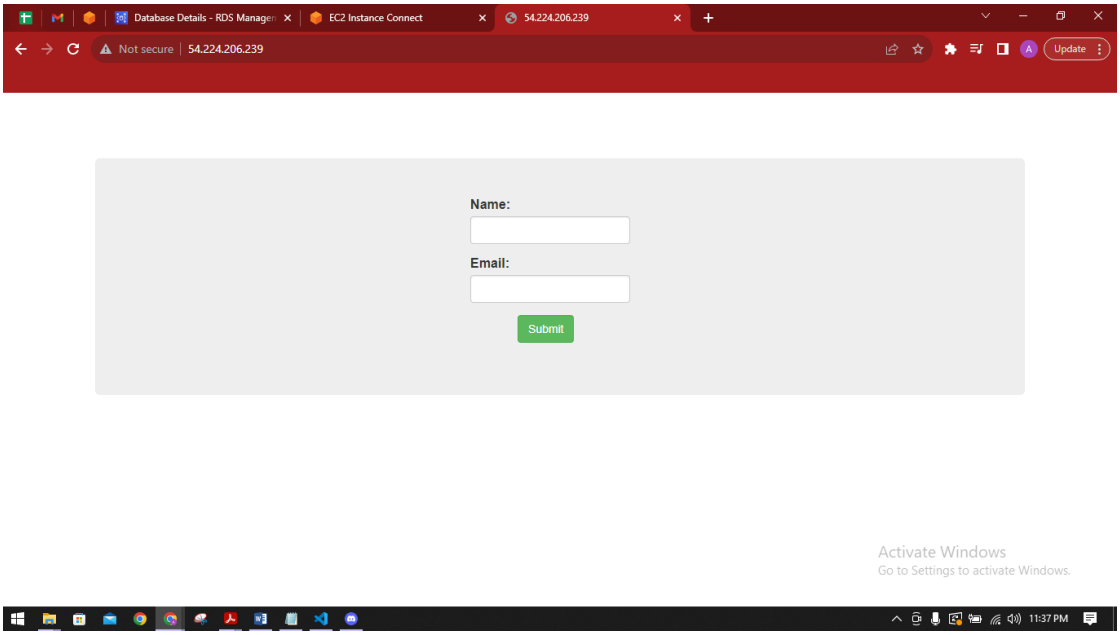


Installed the MySQL and php repository using following commands

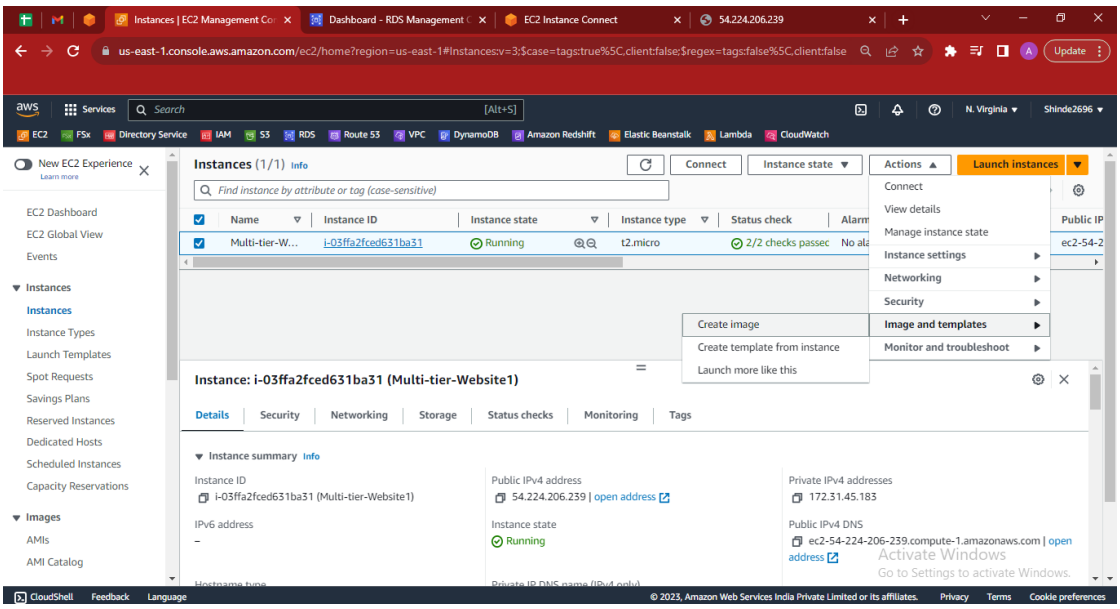
‘sudo add-apt-repository -y ppa:ondrej/php’

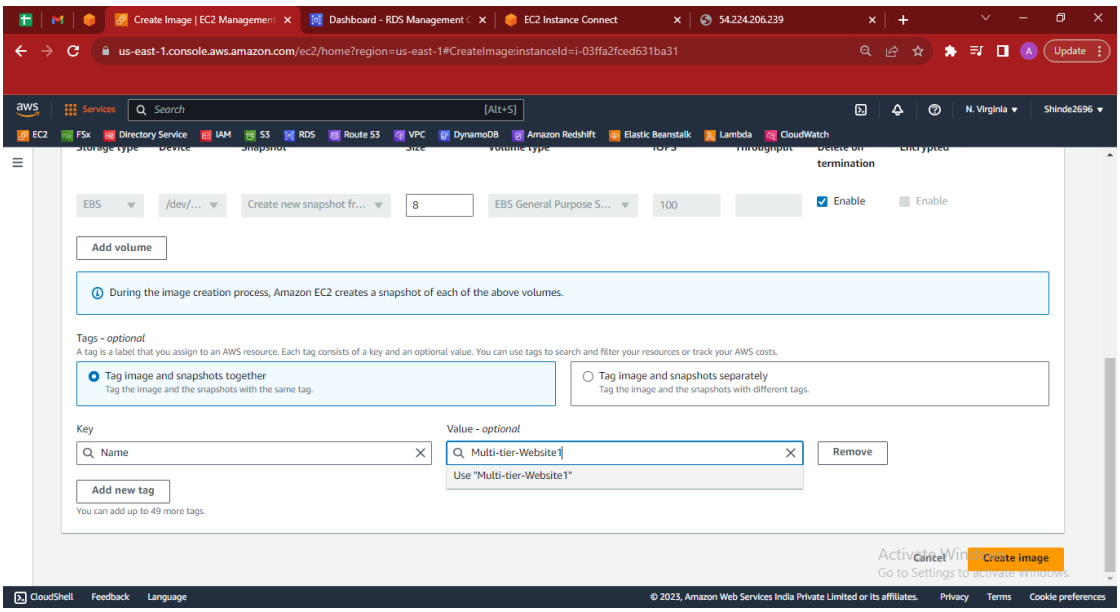
‘sudo apt install php5.6 mysql-client php5.6-mysqli’

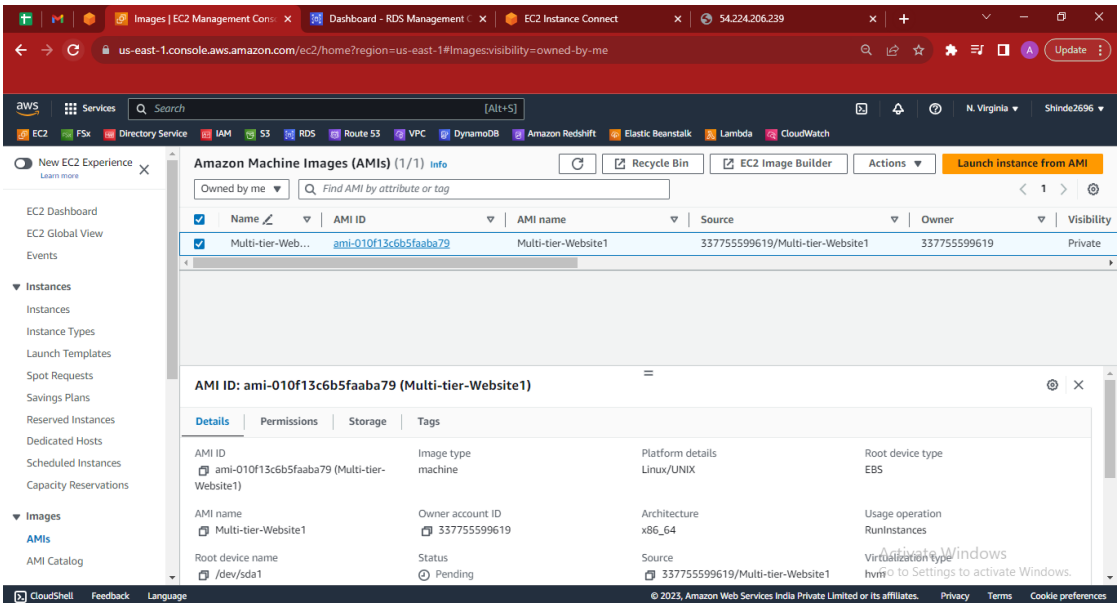
And then connected using the Public IP



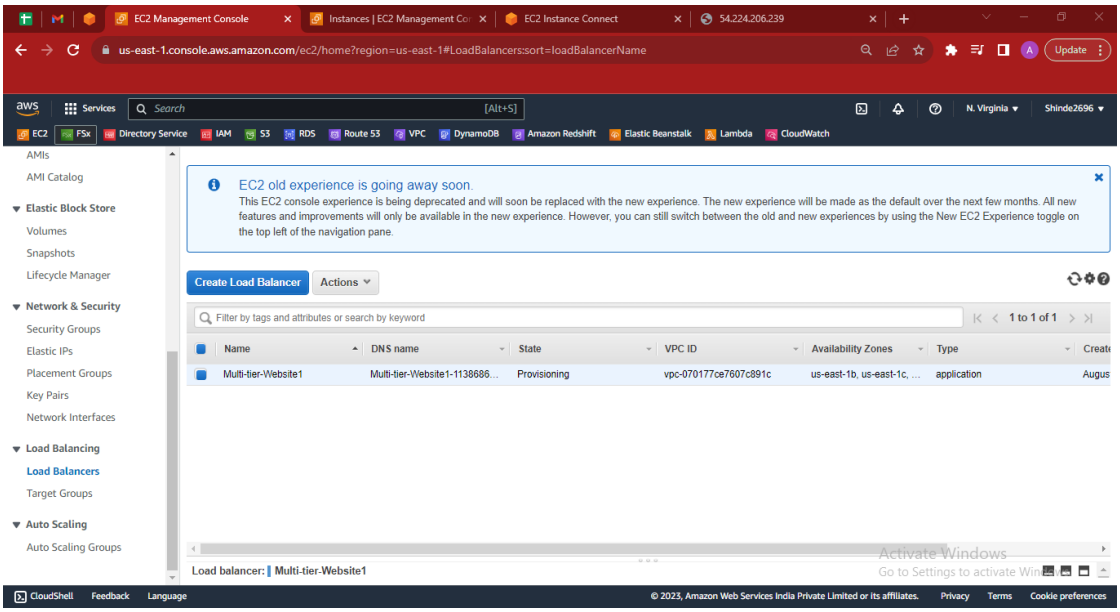
So after that we went to the instances and then as shown below we created image of the instance



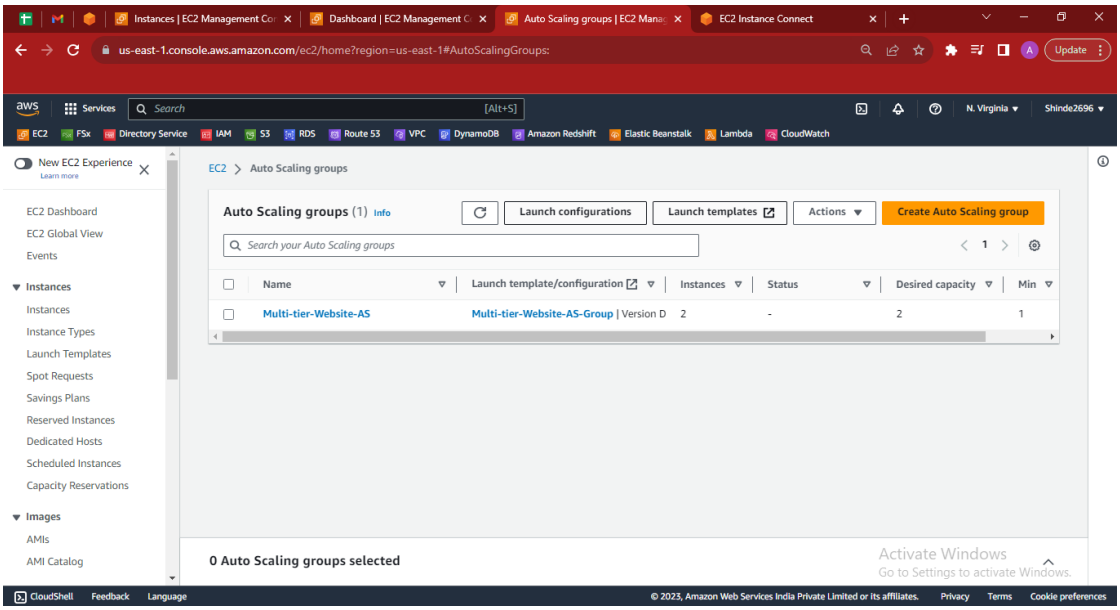




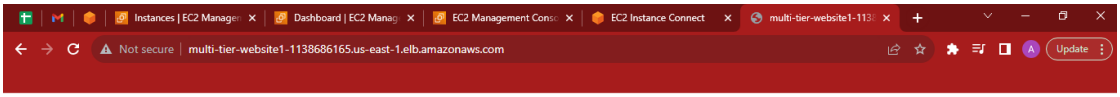
In order to map and for a smooth flow created application load balancer and a target group, so that the load can be evenly distributed among the Instances

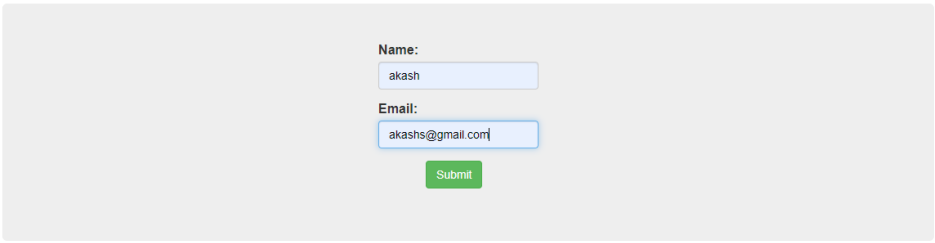


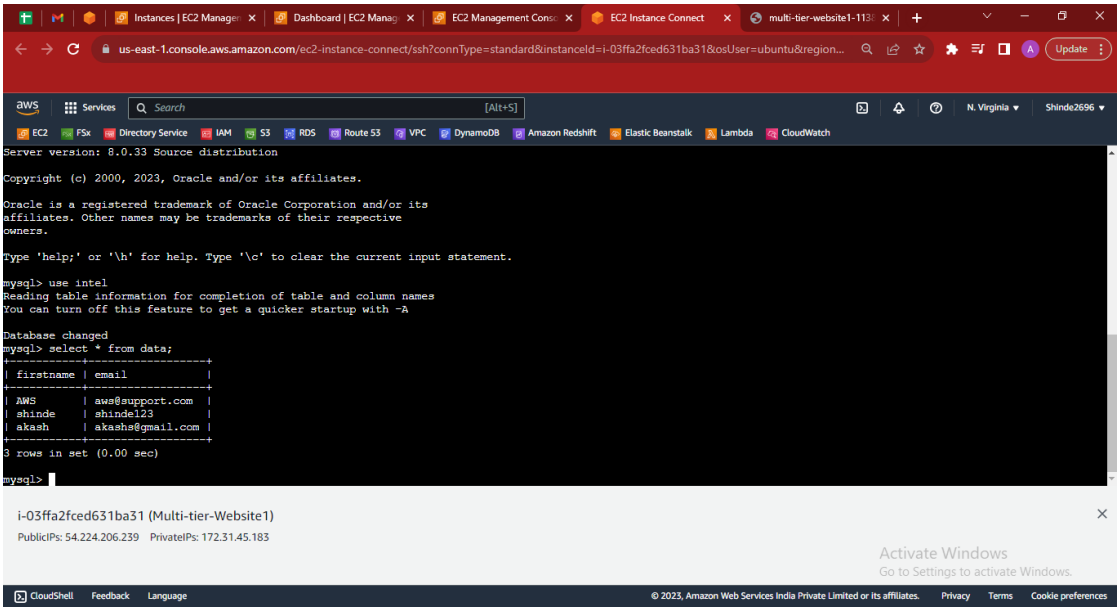
Then created the Auto scaling group in order create and delete instances as per the requirements



Added the data from the page and it has been reflected in the database







Hence we have created the instances and then the load balances and the mapping of the load balancers too, to the Auto scaling group in order for a smooth work flow of the website, and created a database too in order to save the data provided on the website.