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COURSE: CLOUD COMPUTING

MINI-PROJECT 1

PROBLEM STATEMENT

Create a VPC with two subnets. Deploy windows and linux server in the public subnet and another linux server in the private subnet.

Public Subnet
Windows Server upload a text file
Linux Server upload already available website.

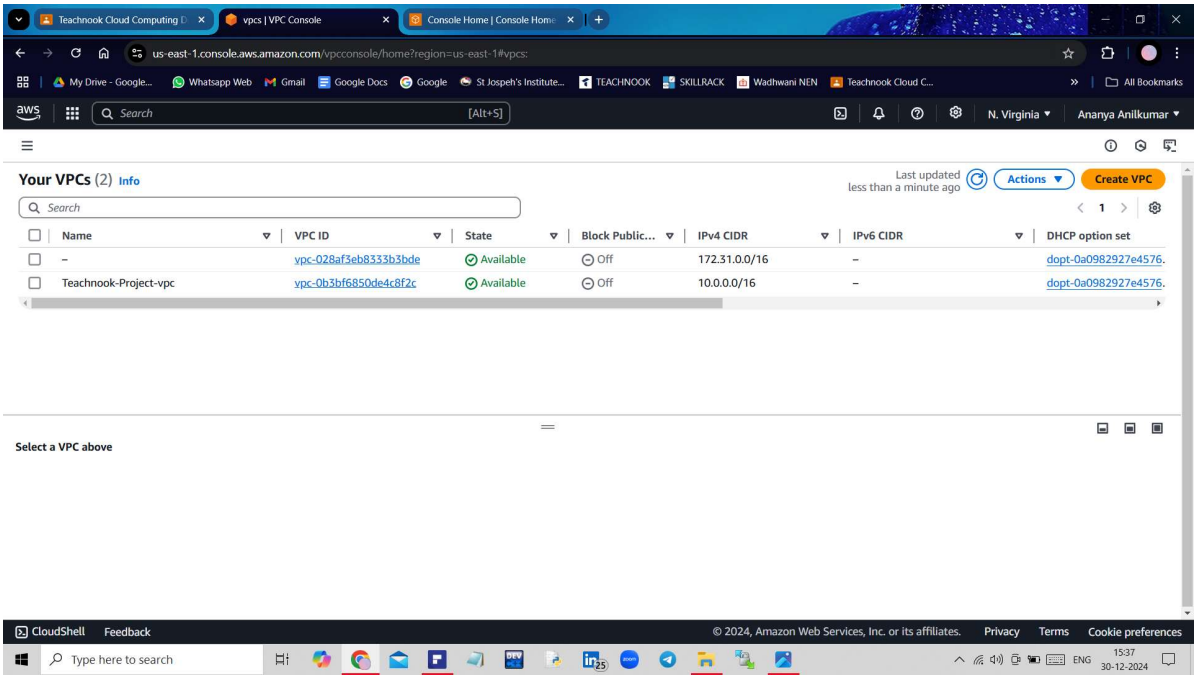
Private Subnet
Connect to an private Linux Server.

AWS SERVICES USED:

- EC2
- VPC

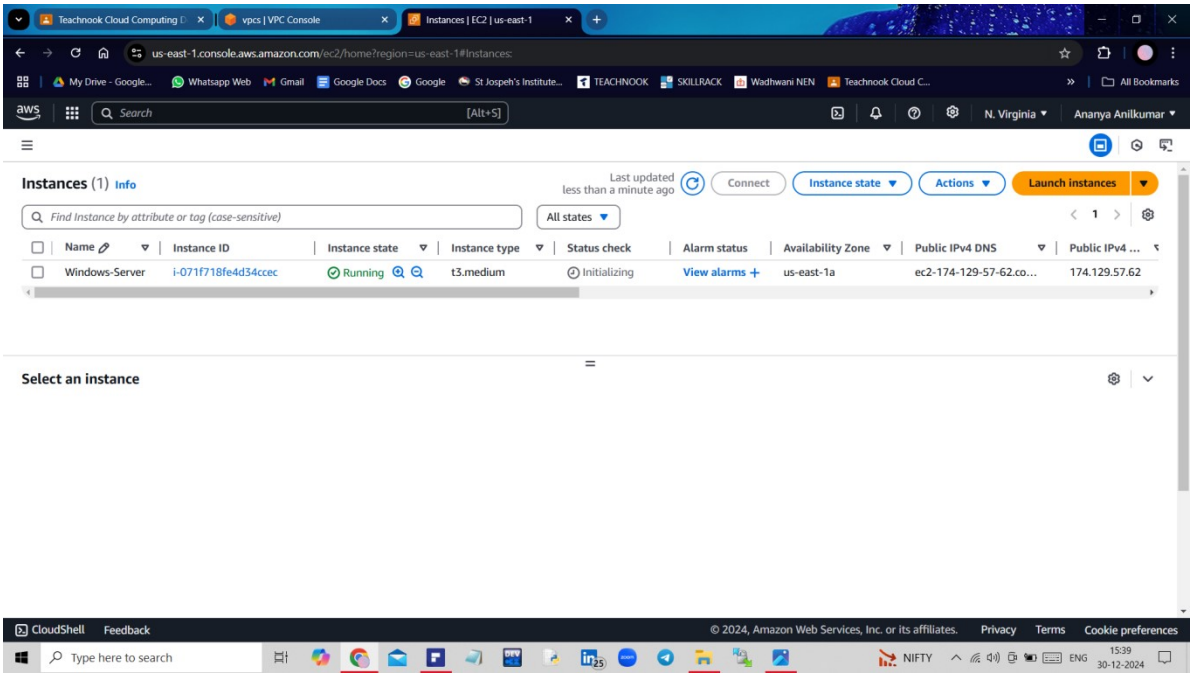
STEP 1:

Create a VPC as shown below containing two subnets one private subnet and another public subnet



STEP 2:

A Windows Server was deployed in the public subnet.



STEP 3:

Windows web-server was connected and then server manager was opened in it to download IIS web server.

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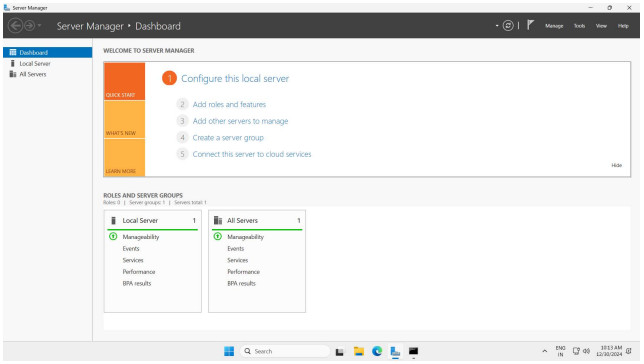
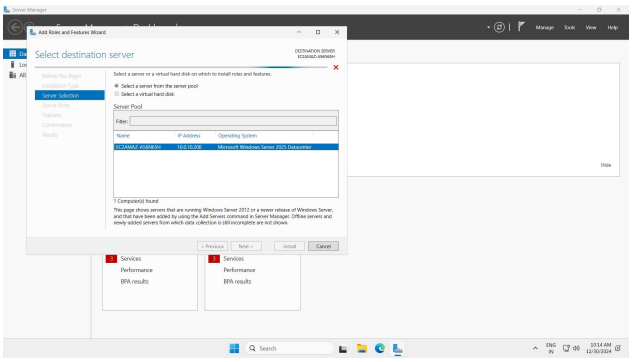
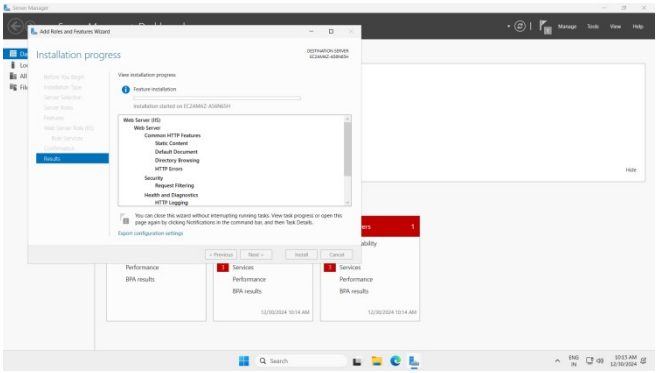
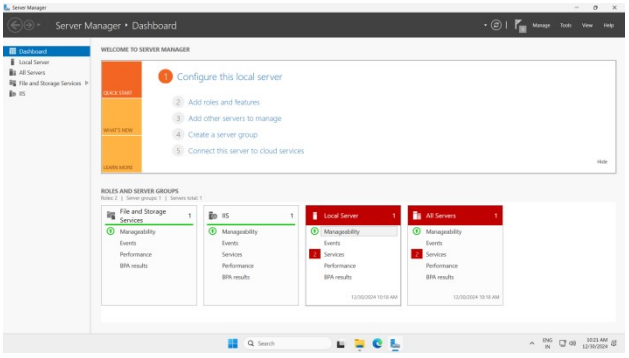


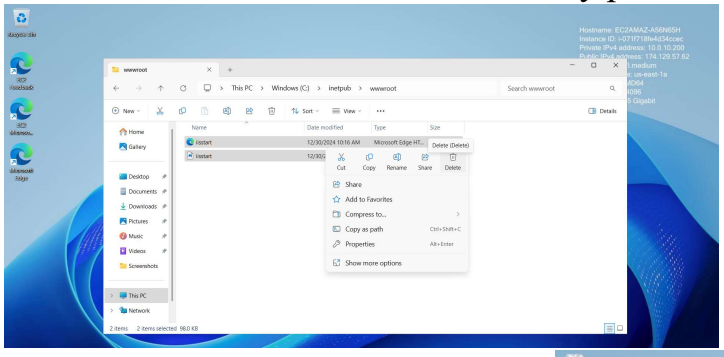


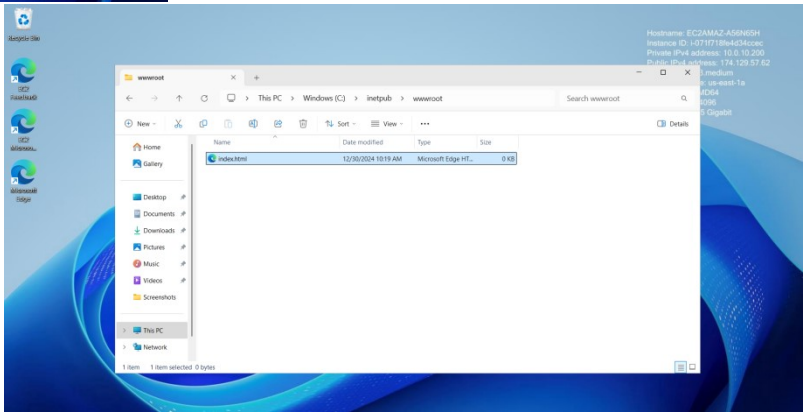




STEP 4:

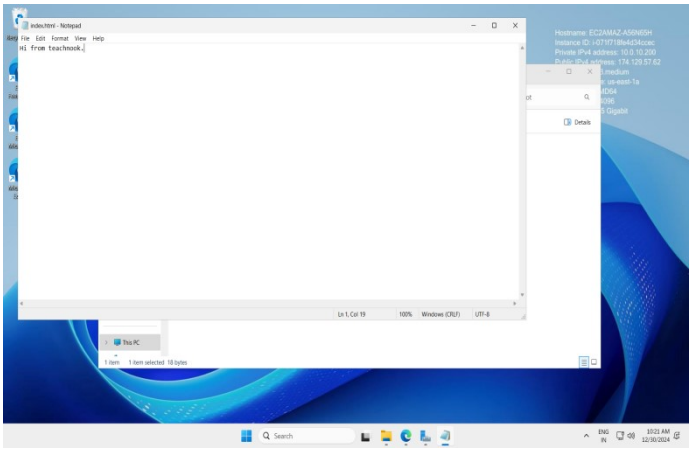
Go to File Explorer of the server and press This PC. In the inetpub folder go to wwwroot folder to delete the already present files in it and create a html file.

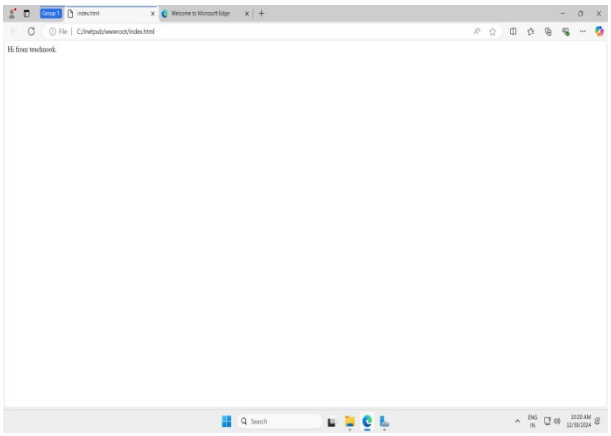




STEP 5:

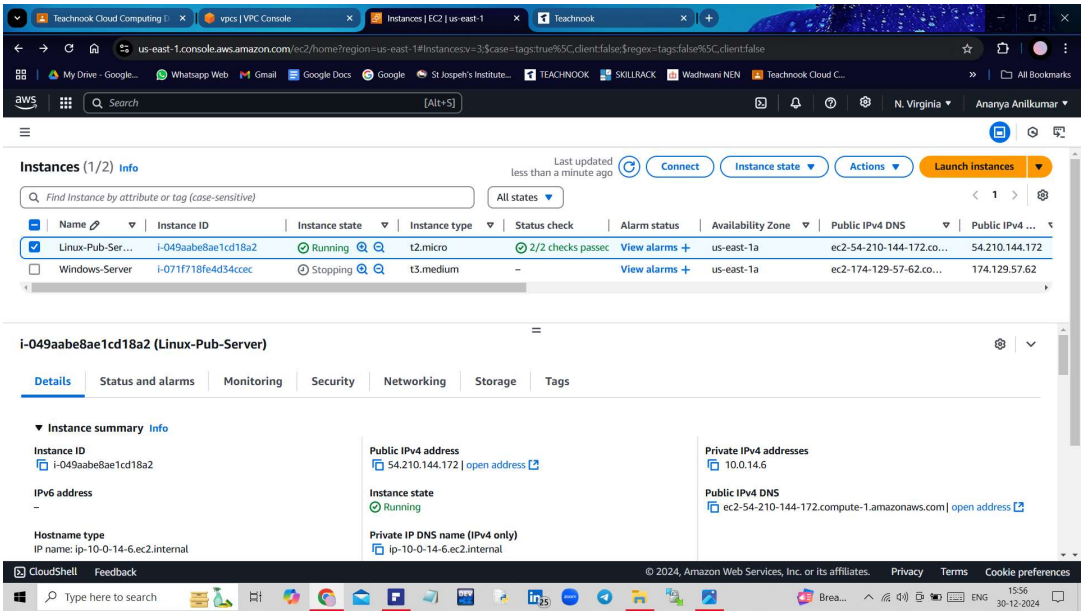
Open the html file in the notepad and type the required content in it. Then open the htnl file in the browser.





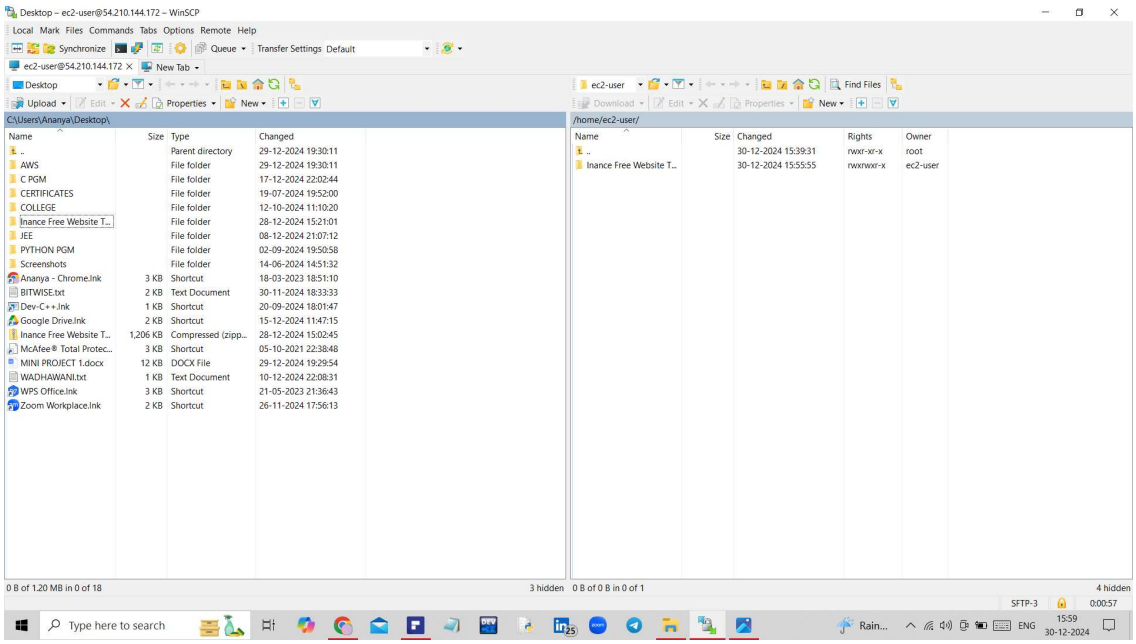
STEP 6:

Deploy a LINUX server in the public subnet.



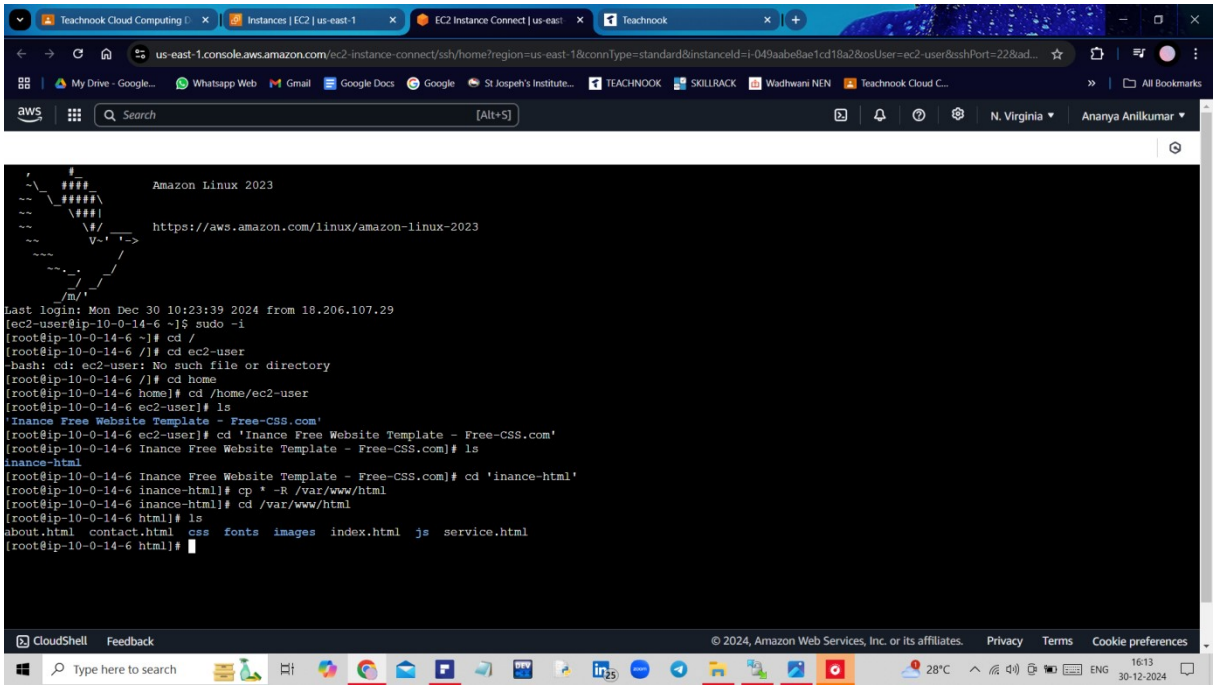
STEP 7:

Connect the server and then using the WINSCP tool copy and paste the already downloaded website files from the local computer to the server.



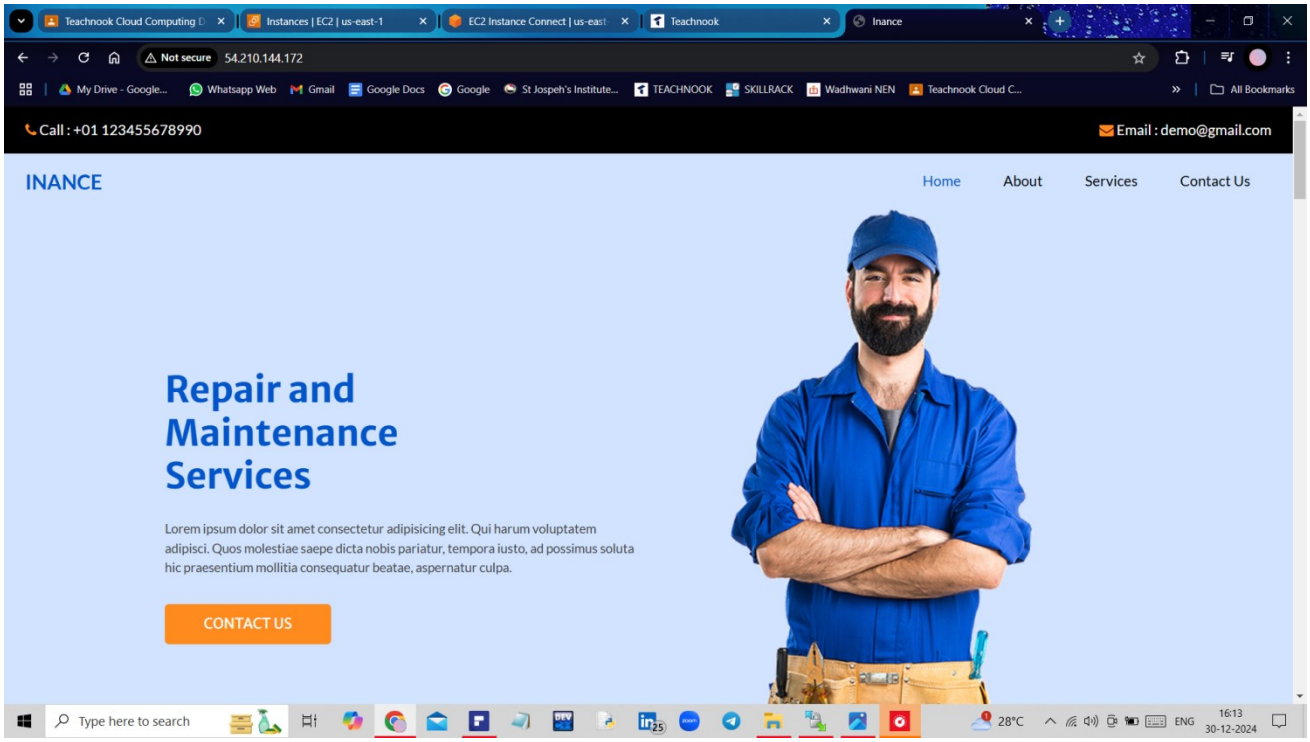
STEP 8:

Using the folowing commands copy the website files to /var/www/html.



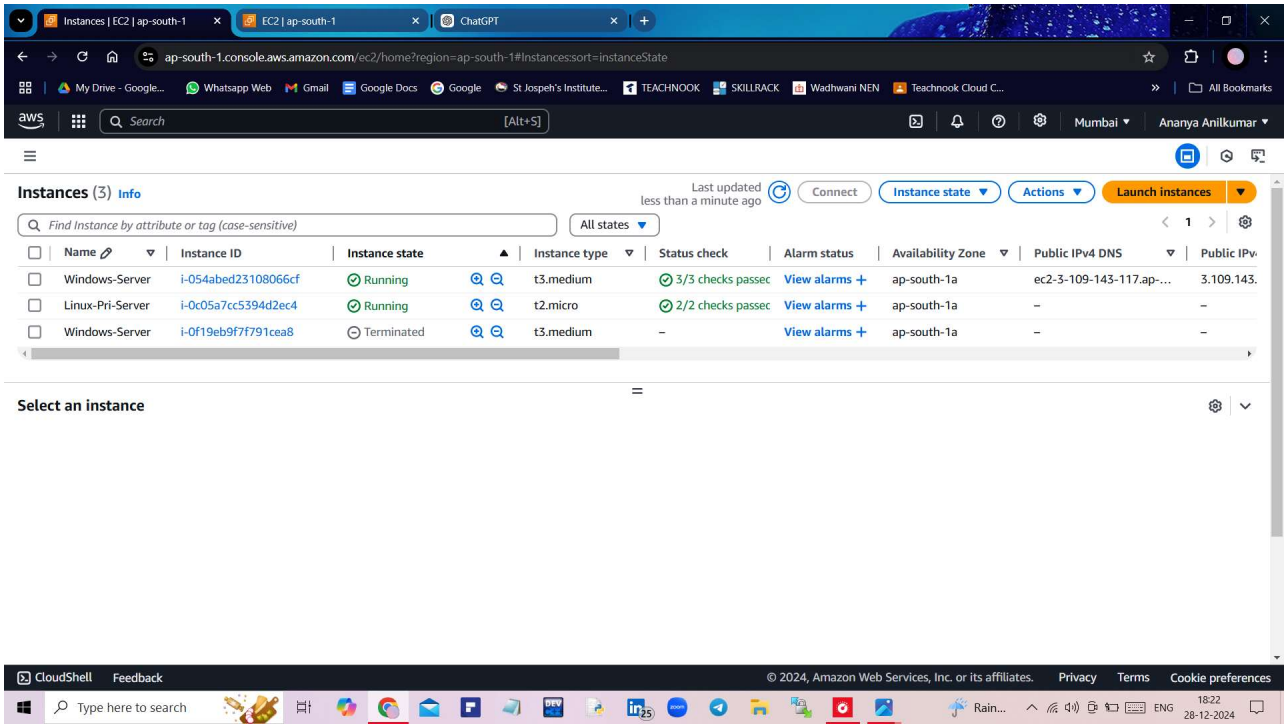
STEP 9:

Copy the Public IPv4 address of the server and paste it in the browser.



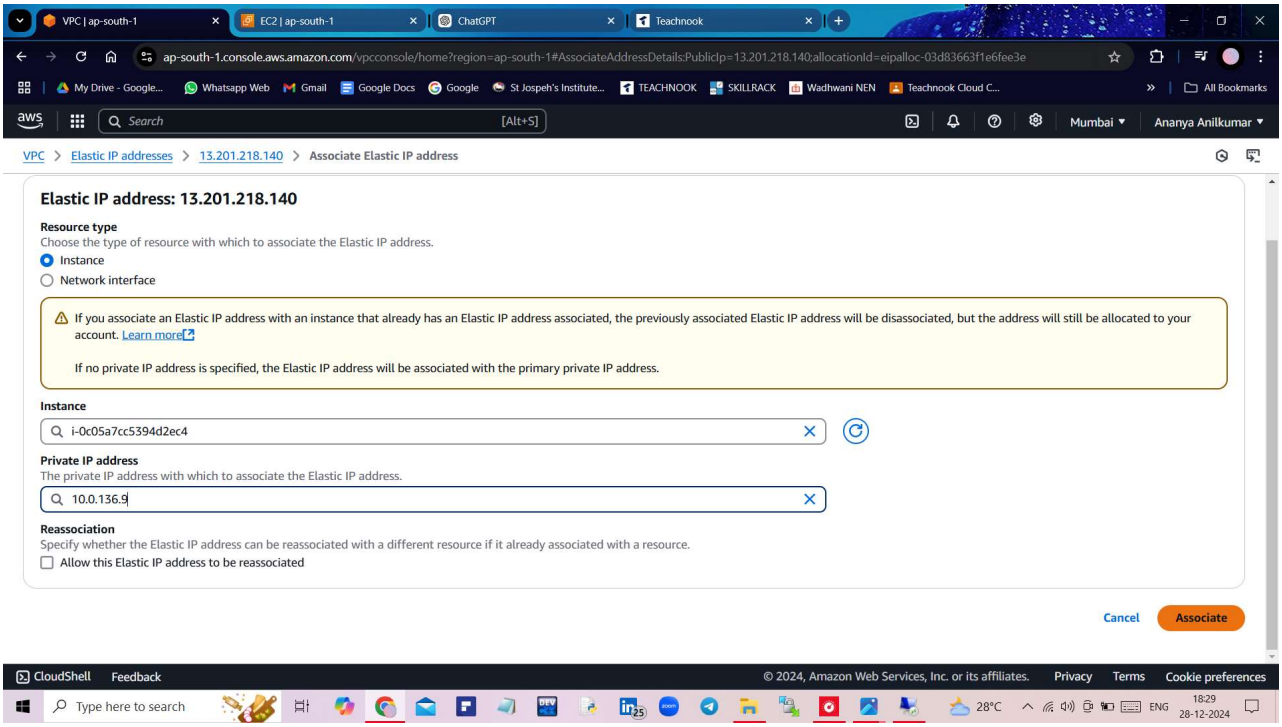
STEP 10:

Launch a private LINUX server and start the windows server as well.



STEP 11:

Associate an elastic IP address to the private LINUX server.



STEP 12:

Now connect to public WINDOWS server using RDP and load the key-pair in the downloads folder of thr server. Then oprn the Command Prompt and type the folloing codes as mentioned as below.