ACTIVITY ON DOCKERS

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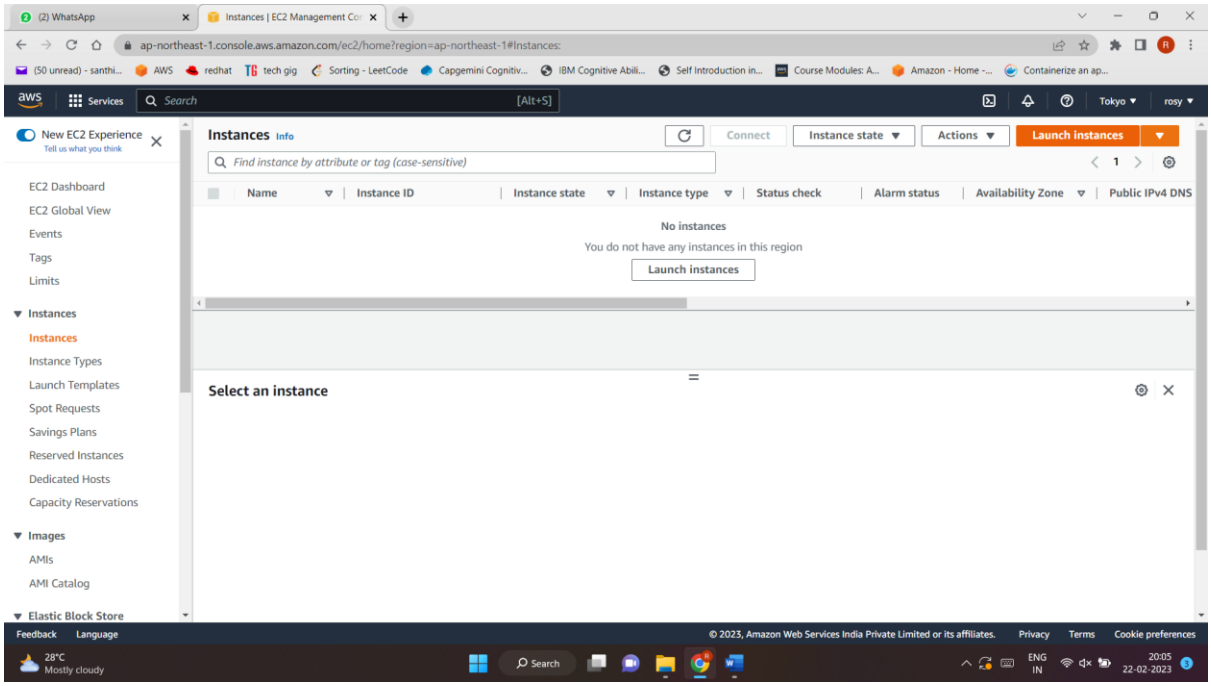
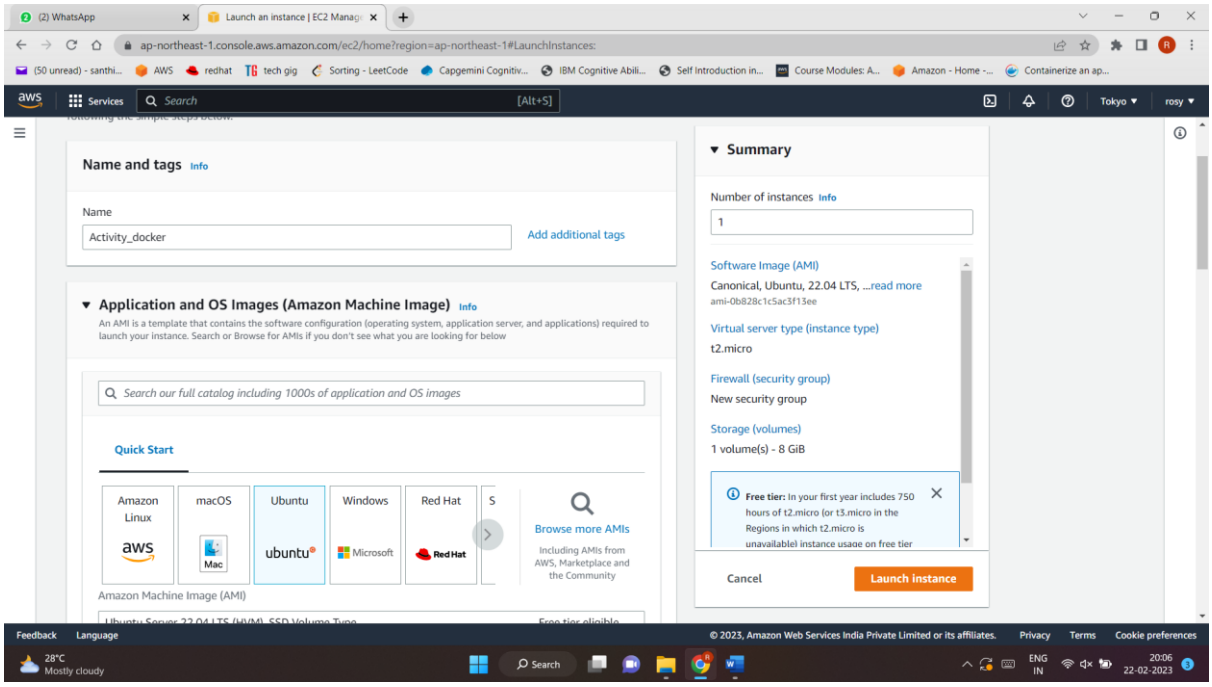
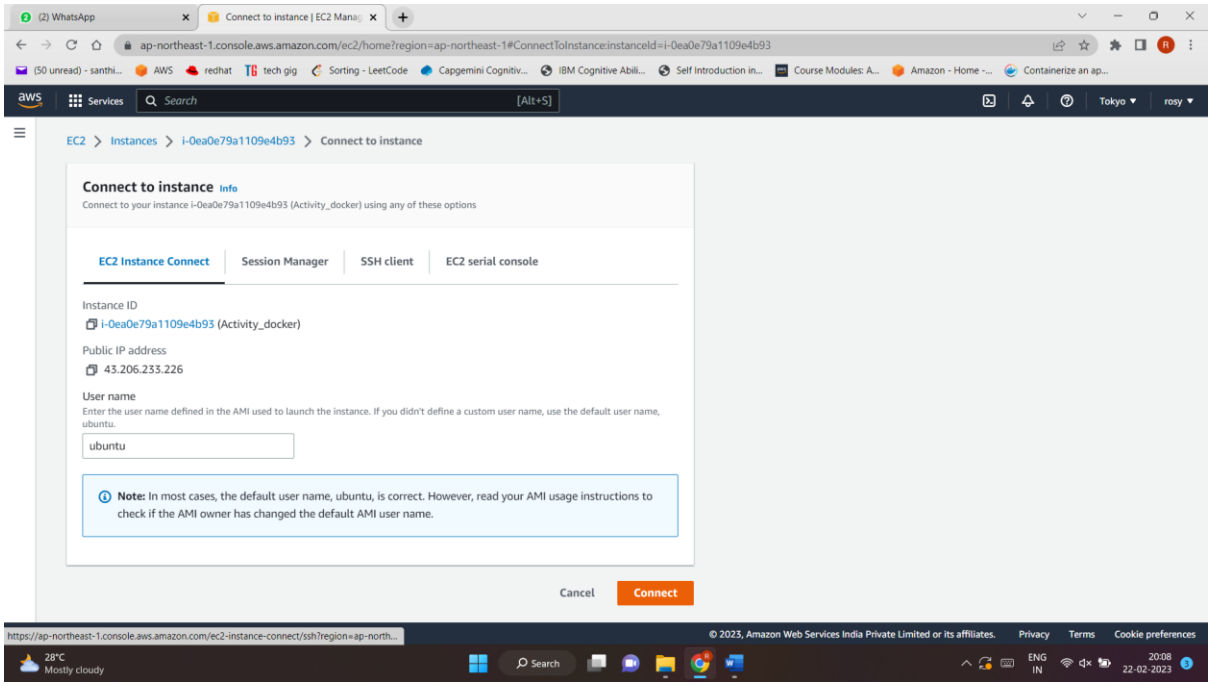
Step-1:We have to launch an EC2 instance in AWS console account.



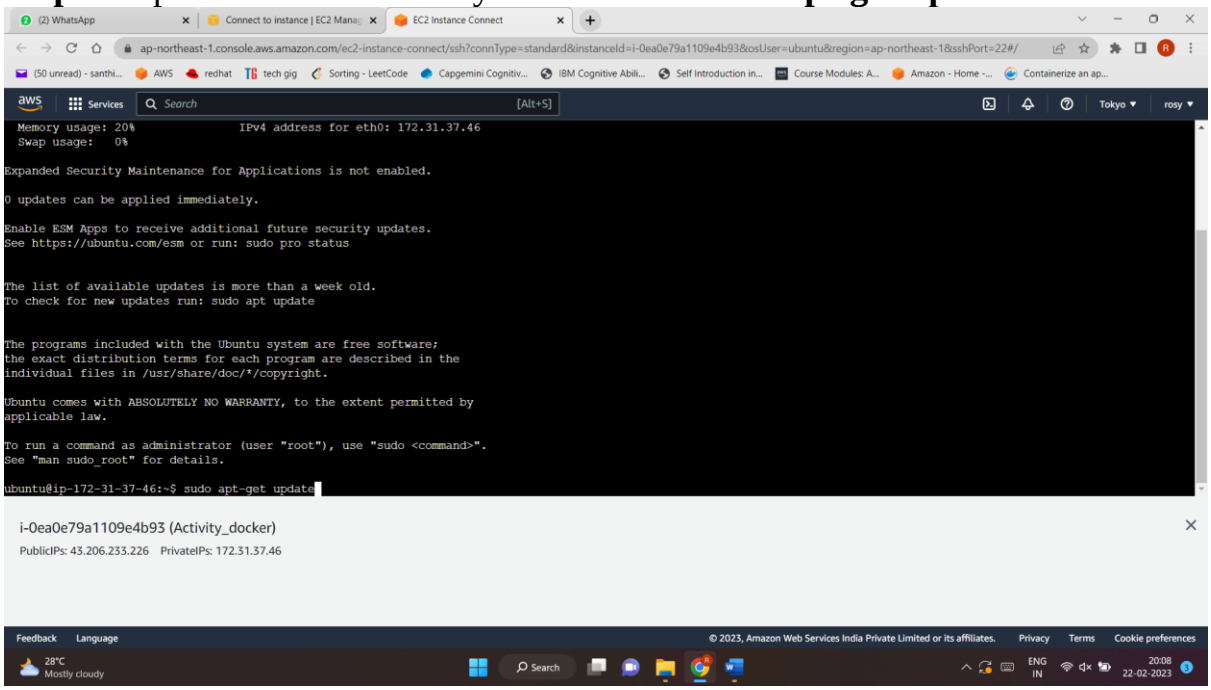
Step-2:we have to select Ubuntu from the AMI and edit the network settings as Type: All Traffic and sourcetype: Anywhere and click on “launch instance”.



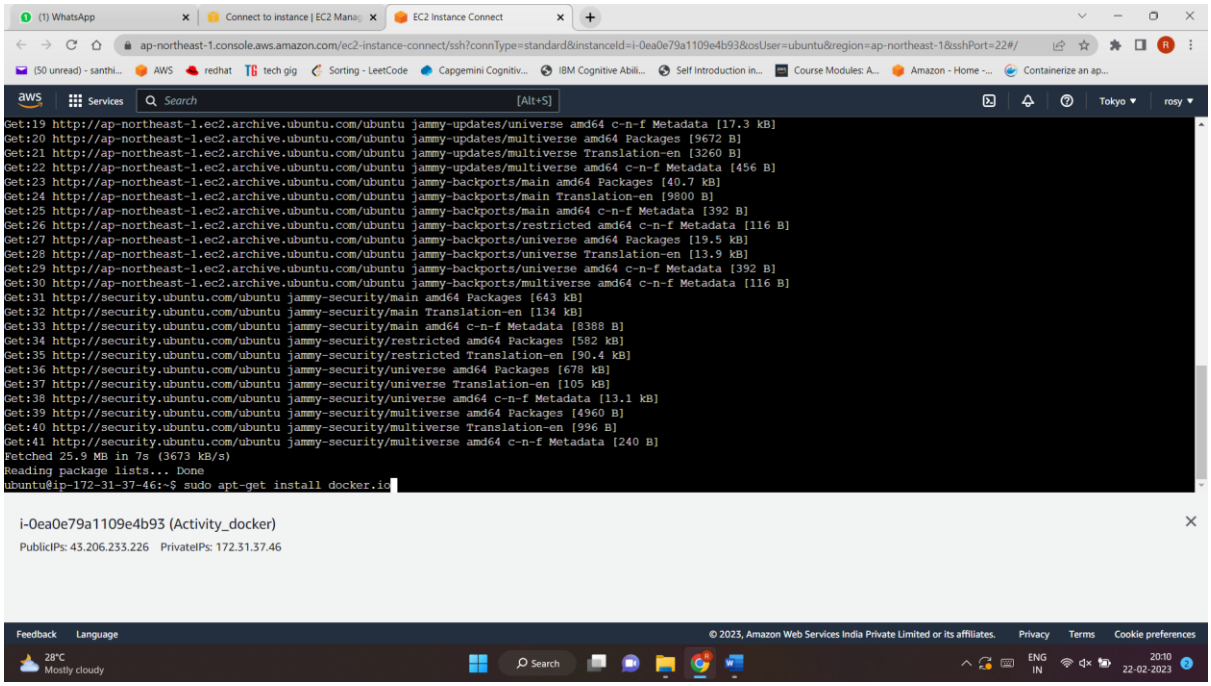
Step-3: Connect the instance.



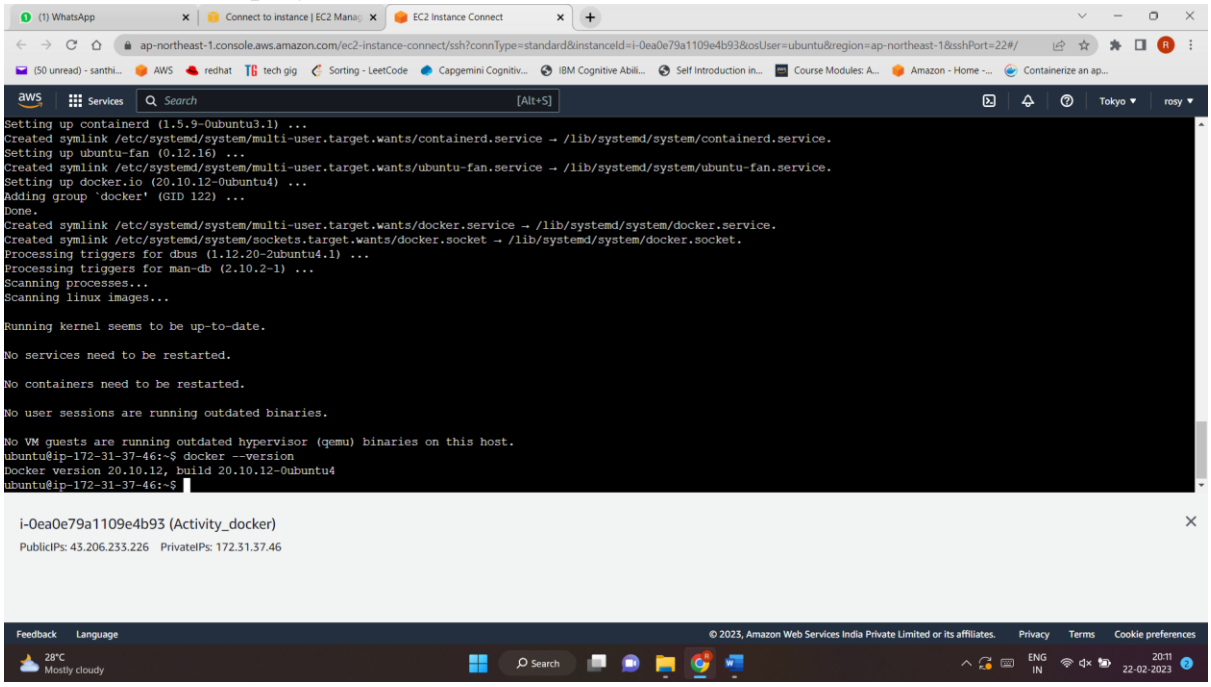
Step-4: Update the ubuntu os by command – **"sudo apt-get update."**



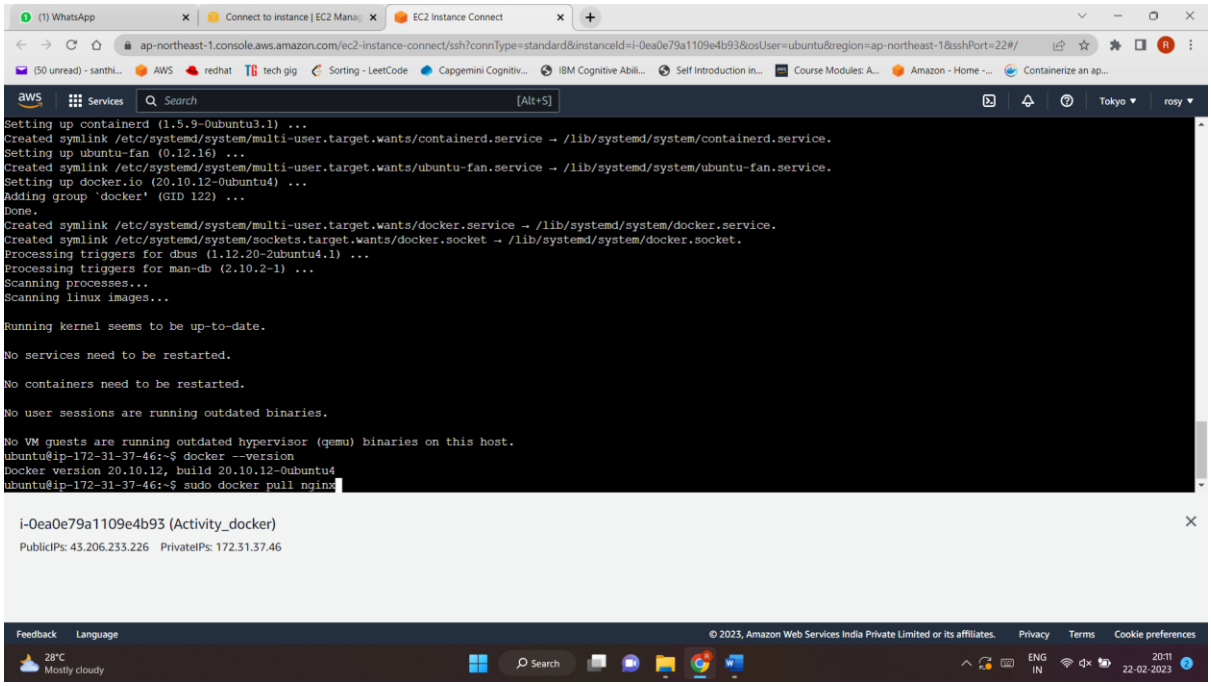
Step-5: Install the docker with a command – **“sudo apt-get install docker.io”.**



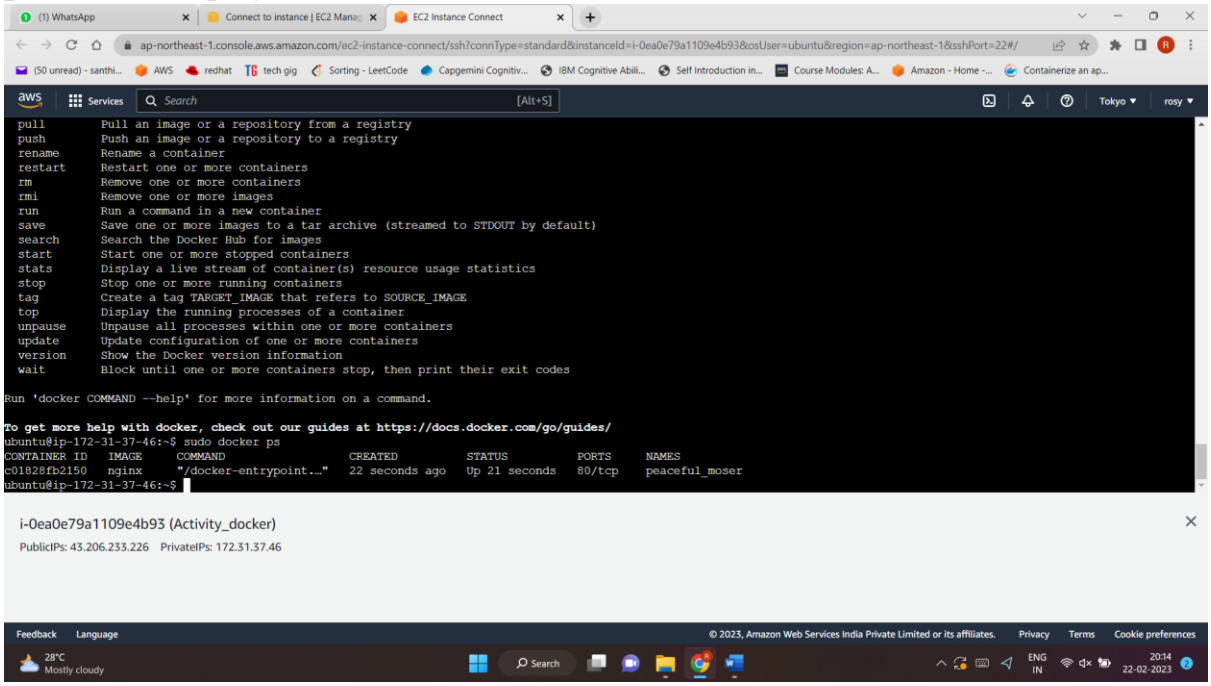
Step-6: Check whether docker is installed or not by using command – **“docker –version” .**It display the current version of docker.



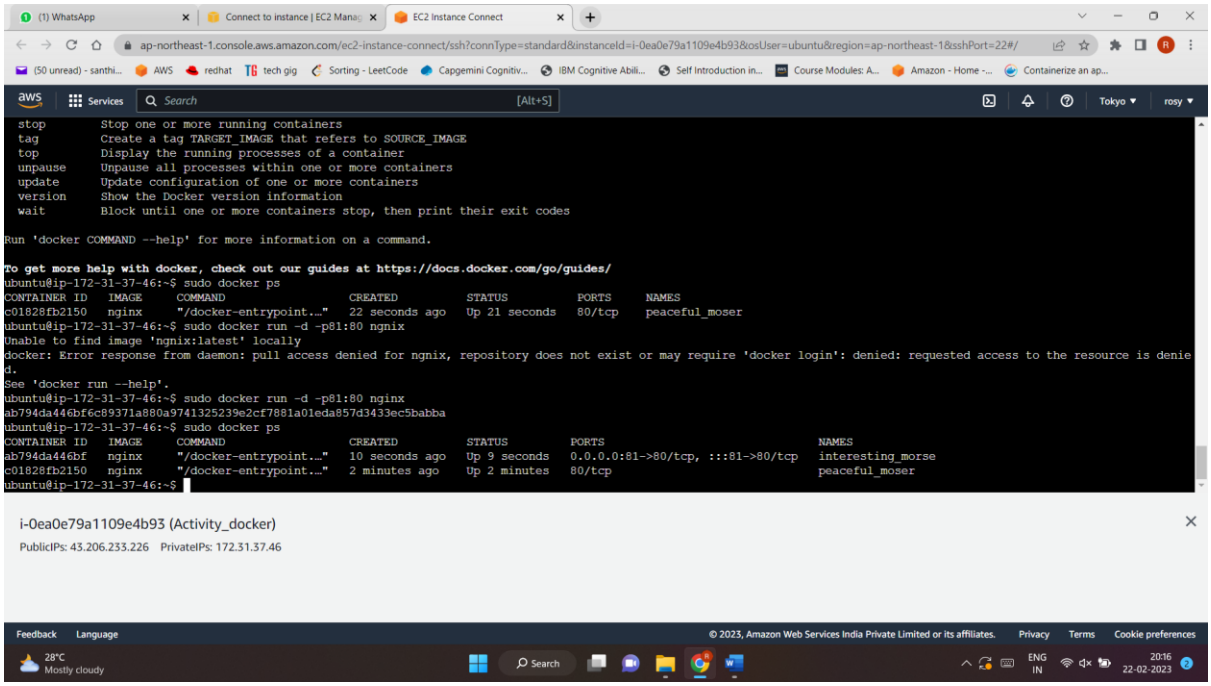
Step-7: For pulling the nginx latest image ,give the command **“sudo docker pull nginx”.**It will display nginx latest image.



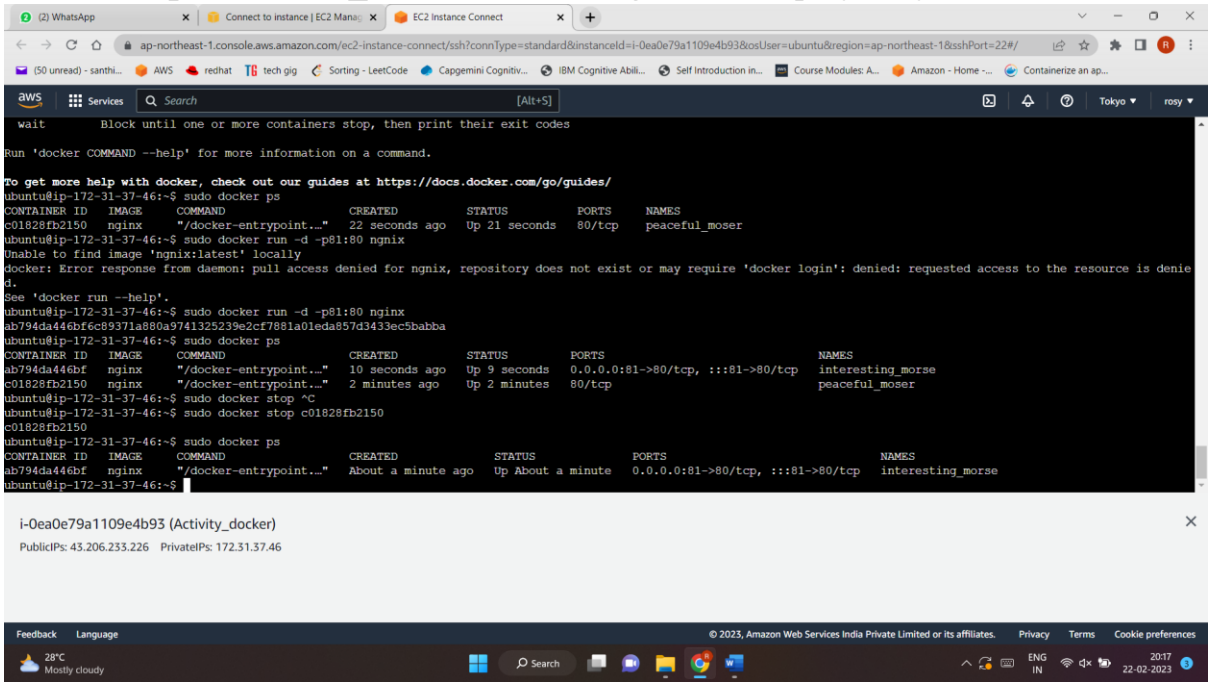
Step-8: For running a container ,give command – **“sudo docker run -d nginx”** and check whether container is created or not by a command –“**sudo docker ps**”.It will display the created container id.



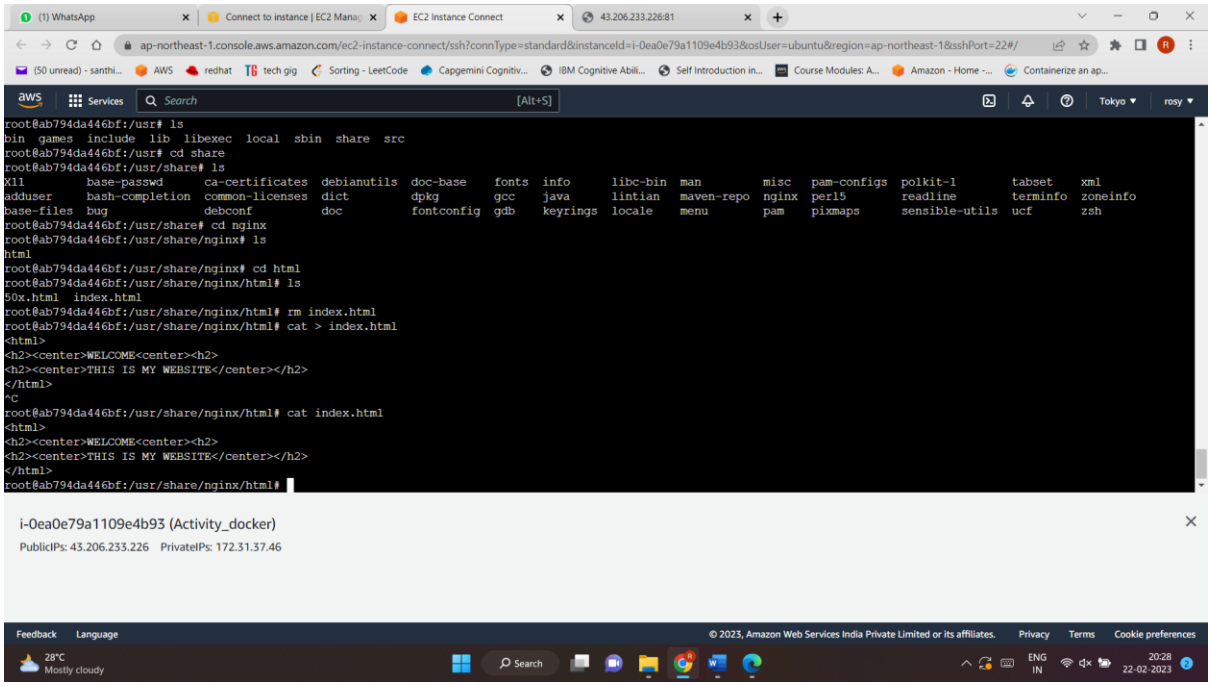
Step-9: Change the port number of container with 81 (**We are using 81 port,because AWS blocks 6000 port**)with a command –**"sudo docker run -d -p81:80 nginx".**Check whether port is changed or **not** by a command – **"sudo docker ps".**



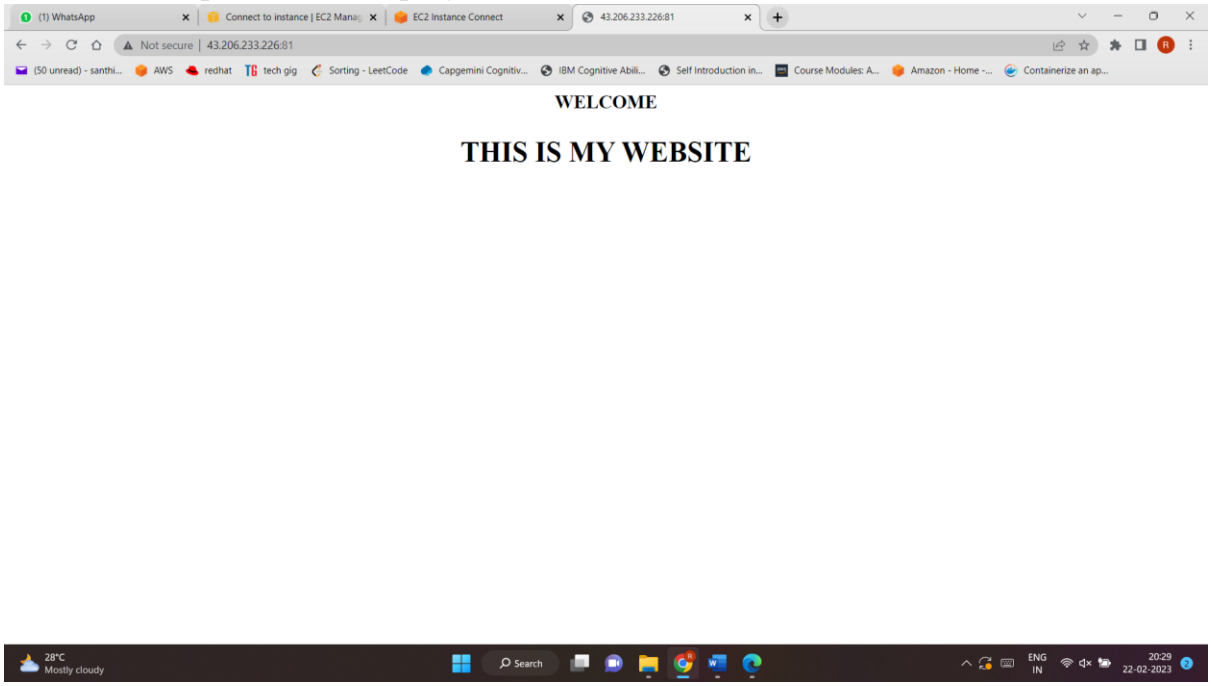
Step-10: For deleting remaining containers,we are using command called **"sudo docker stop conatiner_id".** After deleting it will display only one container.



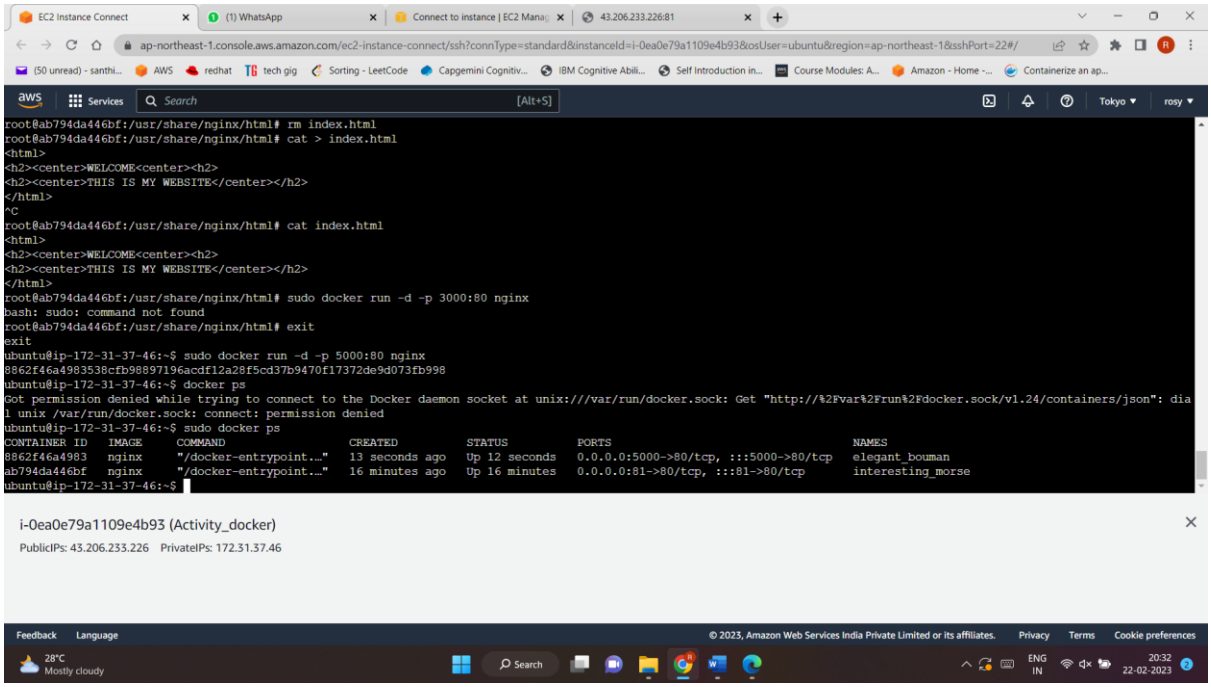
Step-11: Now,we are inserting the sample web template into an container by opening into the container using a command – **“sudo docker exec -it container_id /bin/bash”** and we are going to the directory **“html”** which is presented in **/usr/share/nginx/html/** path and we are removing a index.html file and create that file with some html code.



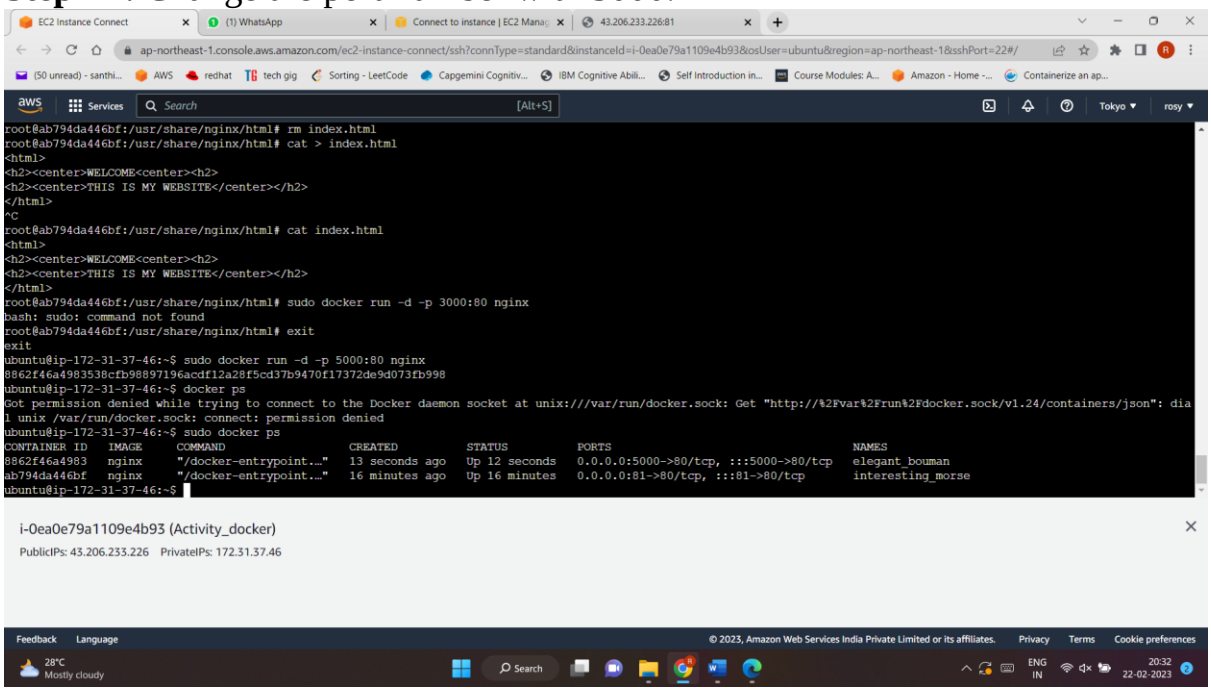
Step-12: When we are opening the created sample website with an public ip address with port 81 ,it displays a created website.



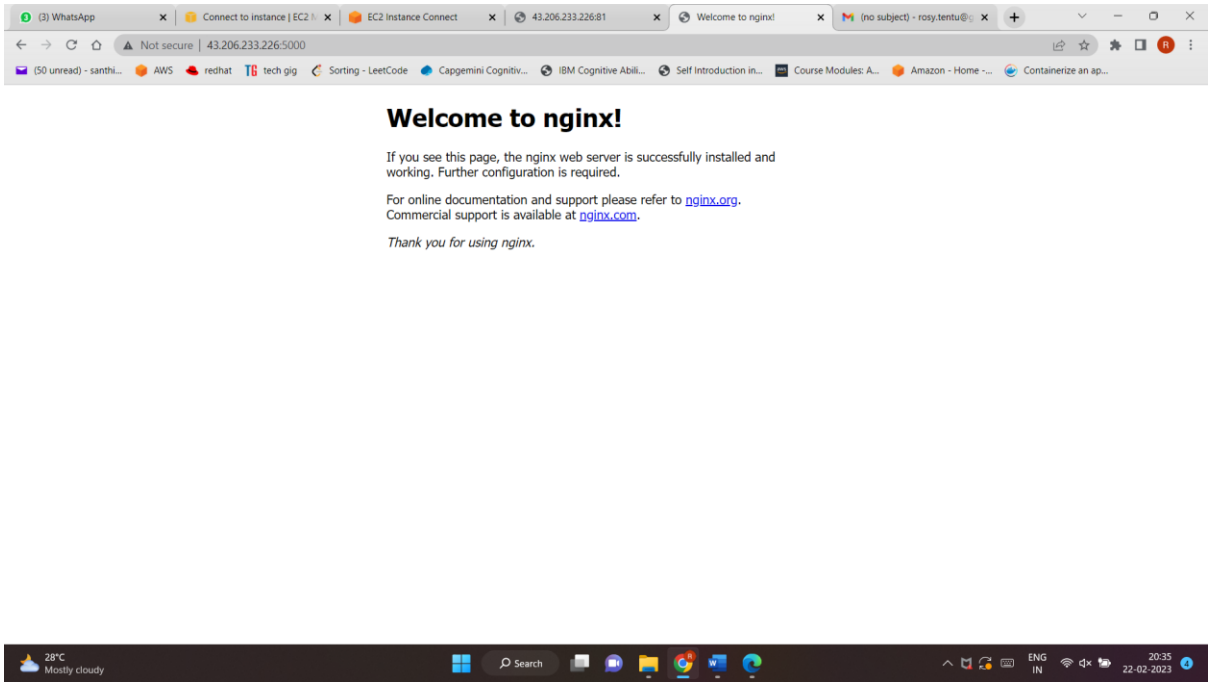
Step-13: Pull the other version of nginx image by using **"sudo docker pull nginx:1.23"** command and create another container with other version of nginx image.



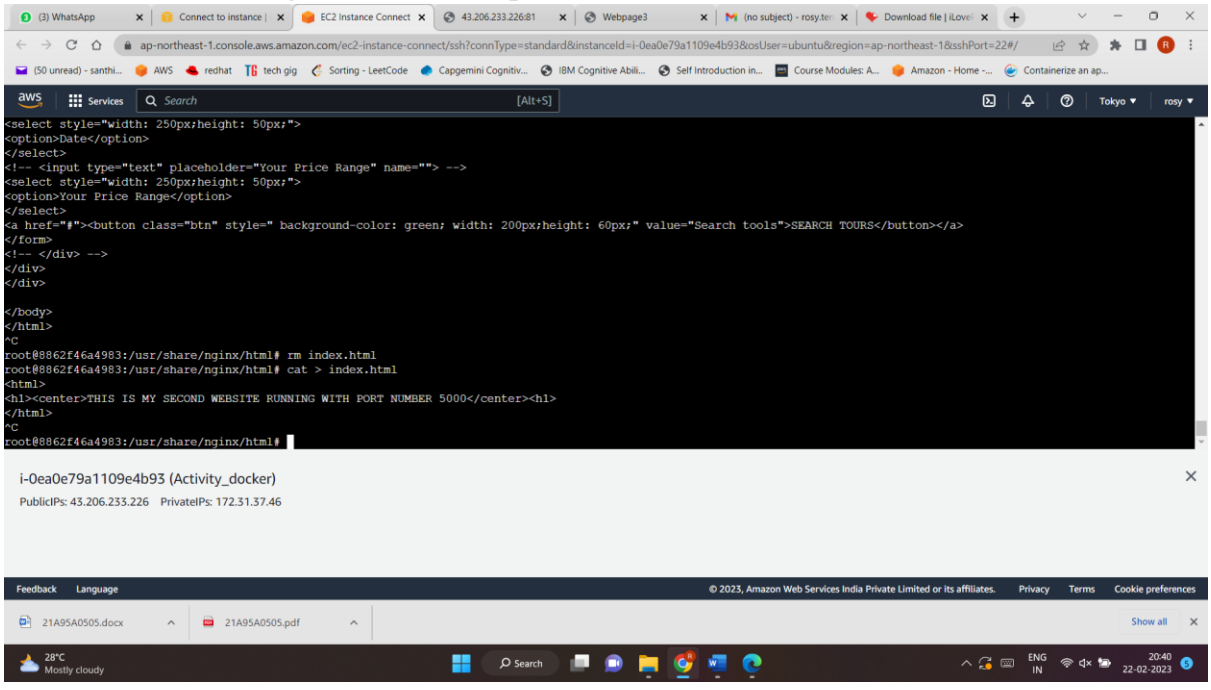
Step-14: Change the port number with 5000.



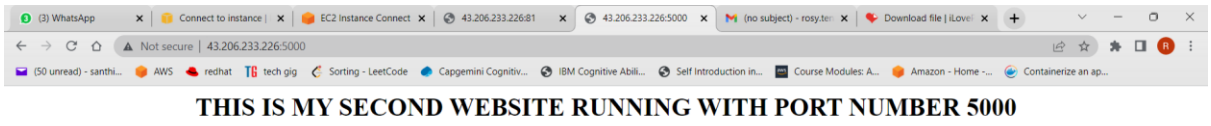
Step-15: Default website of nginx image version of port 5000.

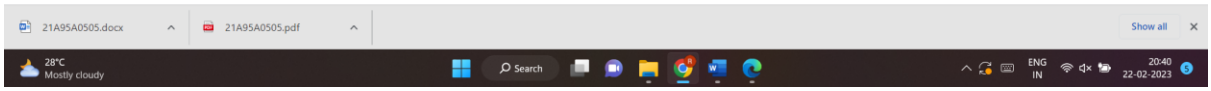


Step-16: Now we can change the content of html file with our html code in newer version of nginx:1.23 with port 5000.



Step-17: When we are opening the created sample website with an public ip address with port 5000 ,it displays a created website.





Both the websites should run parallely with same ip address on different ports 81 and 5000.