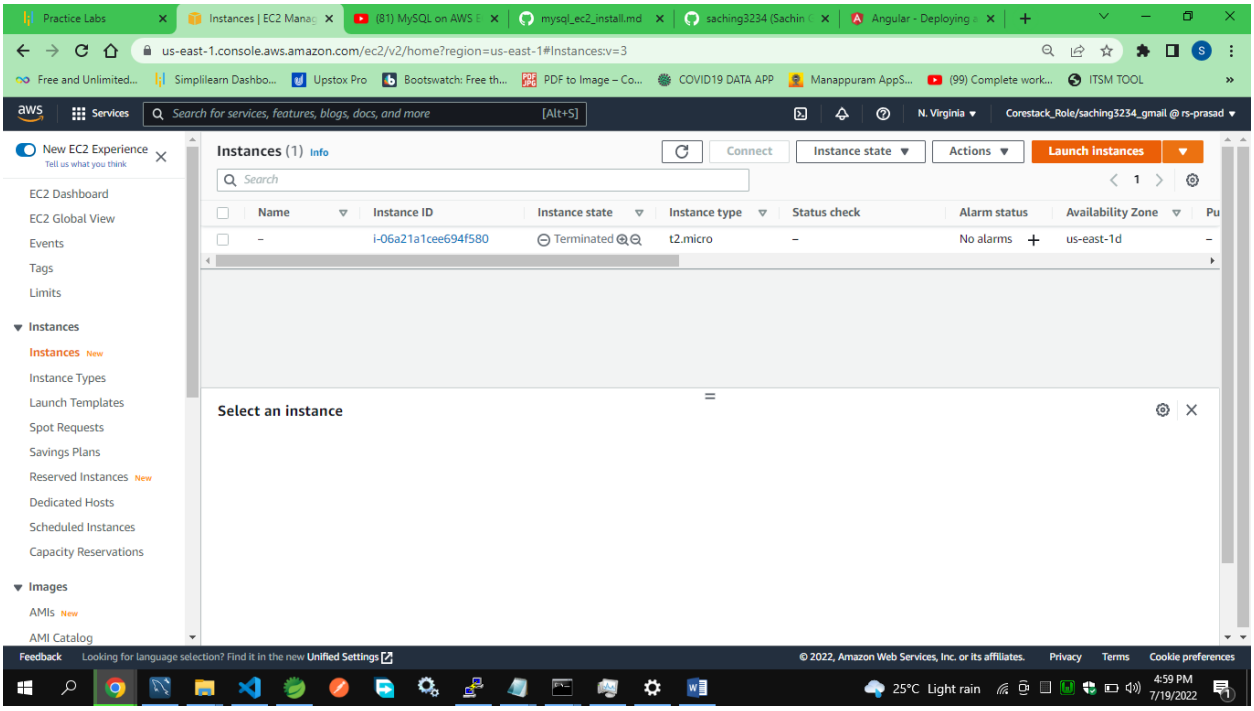
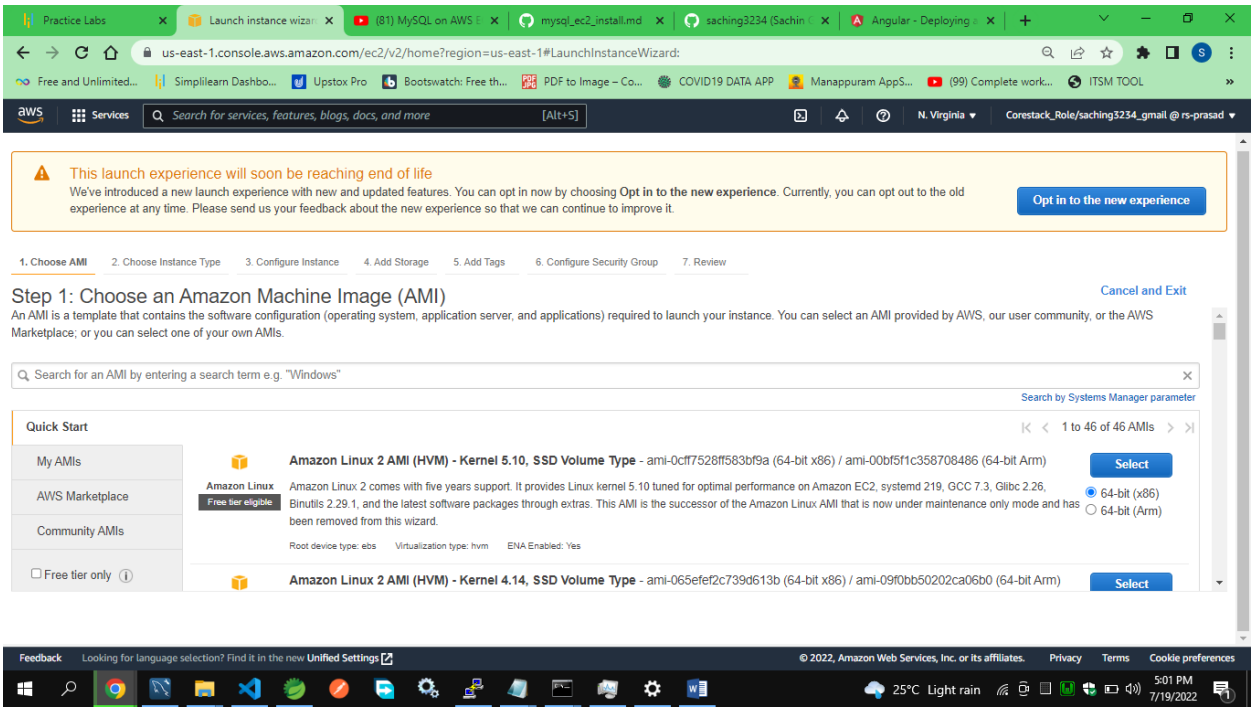
Full Name	**Sachin Rangnath Gawade**
Batch	**Dec 2020**
Project Title	**CI/CD Deployment for Springboot Application.**
Project Submission Date	**19-July – 2022**
Git Hub Project Link	**https://github.com/saching3234/Aws-Final-Build-And-Documentation**

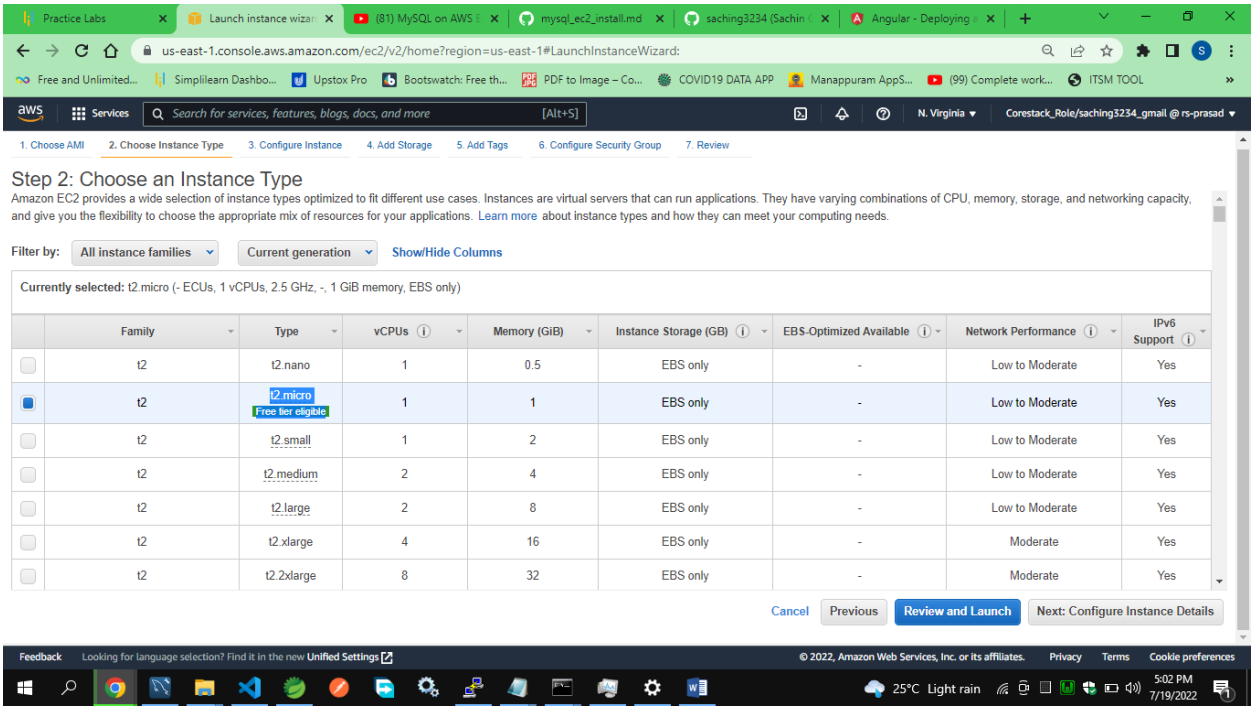
1.Creating the new Ec2 linux instance:-



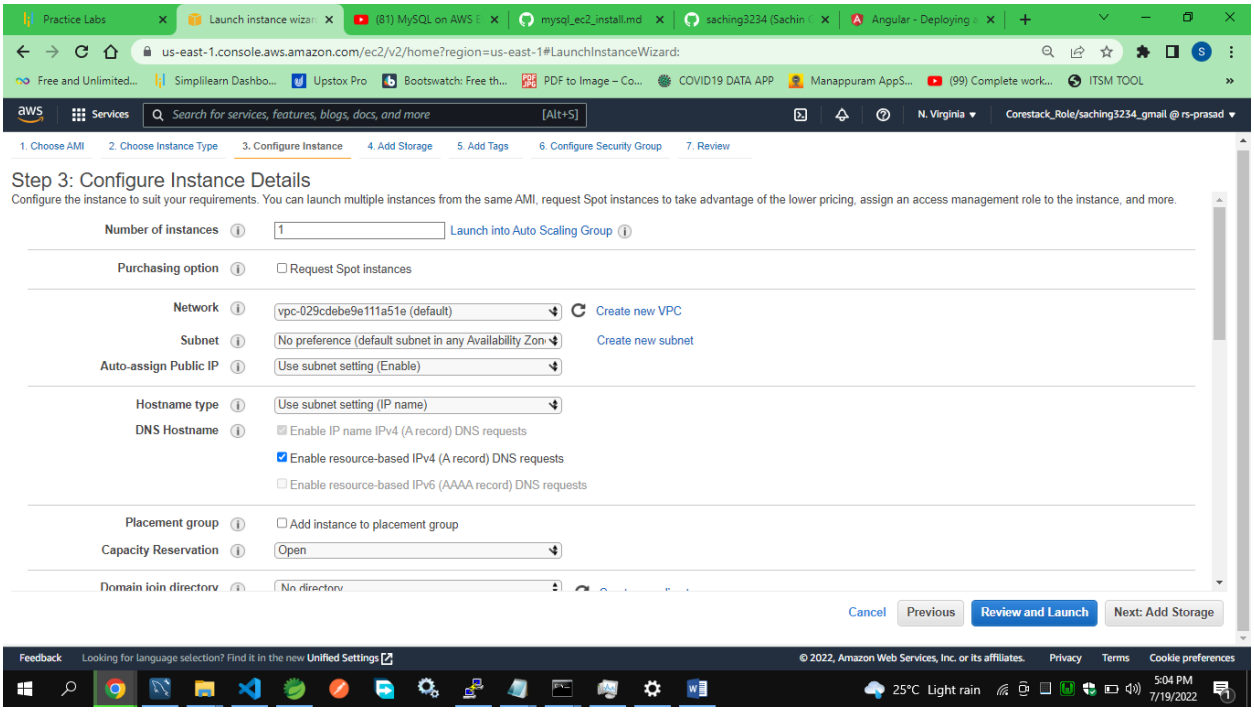
2. selected Amazon Linux 2 AMI (HVM) - Kernel 5.10, SSD Volume Type :-



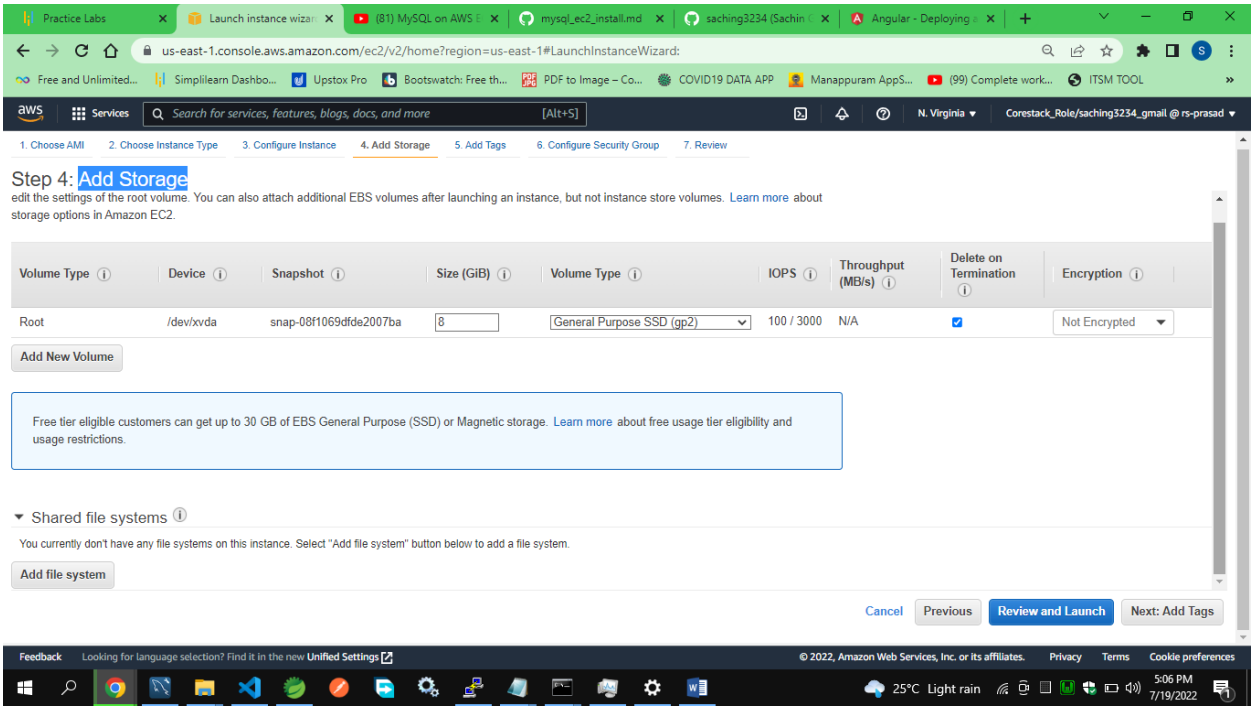
3. selected t2.micro Free tier eligible



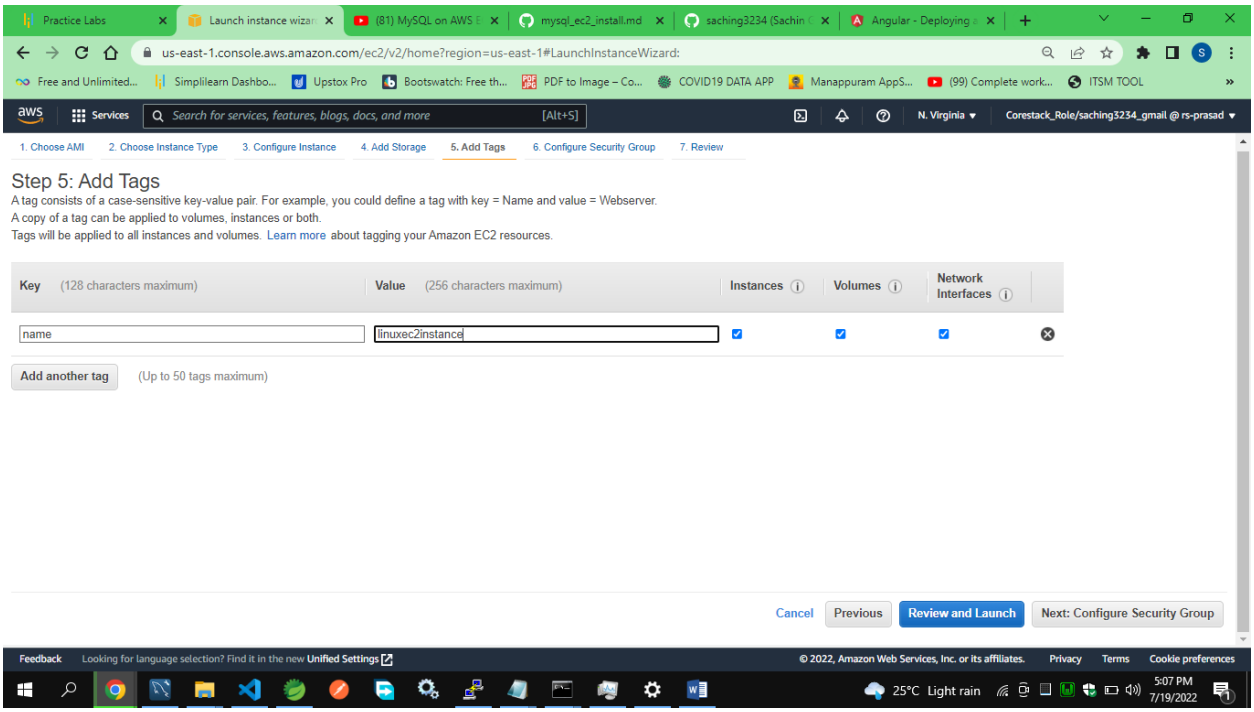
4. Configure Instance Details :-



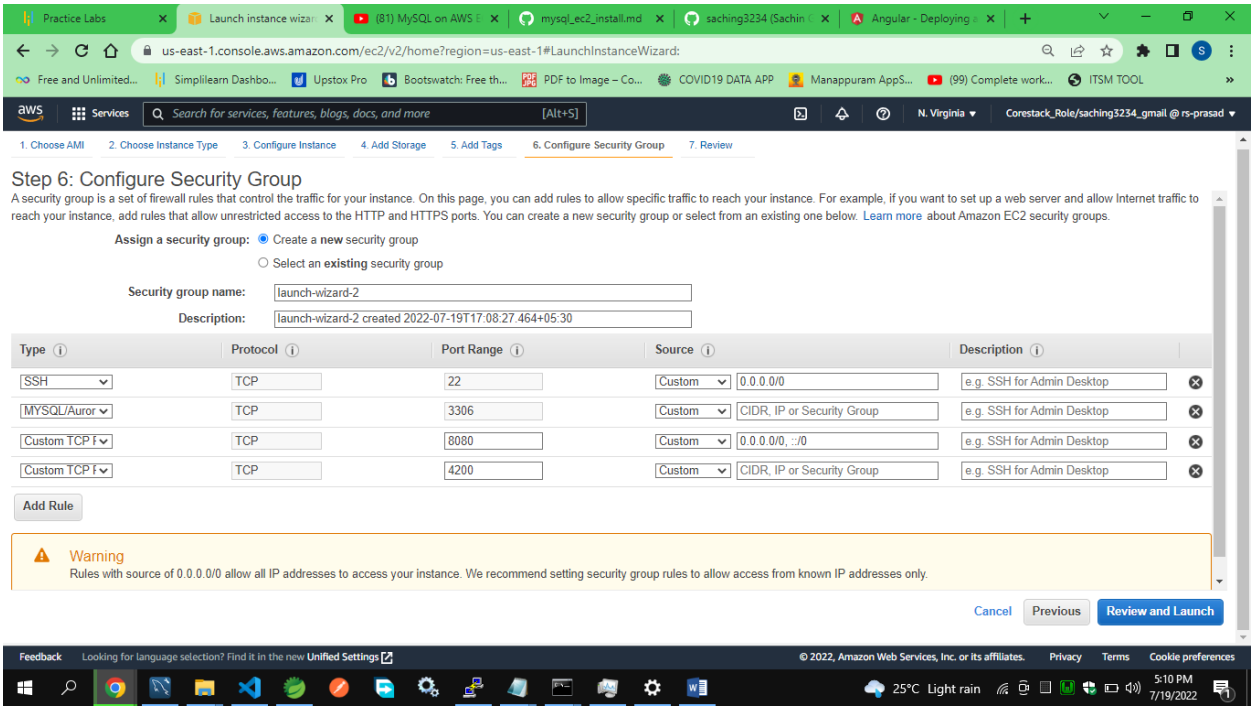
5. Adding Storage:-



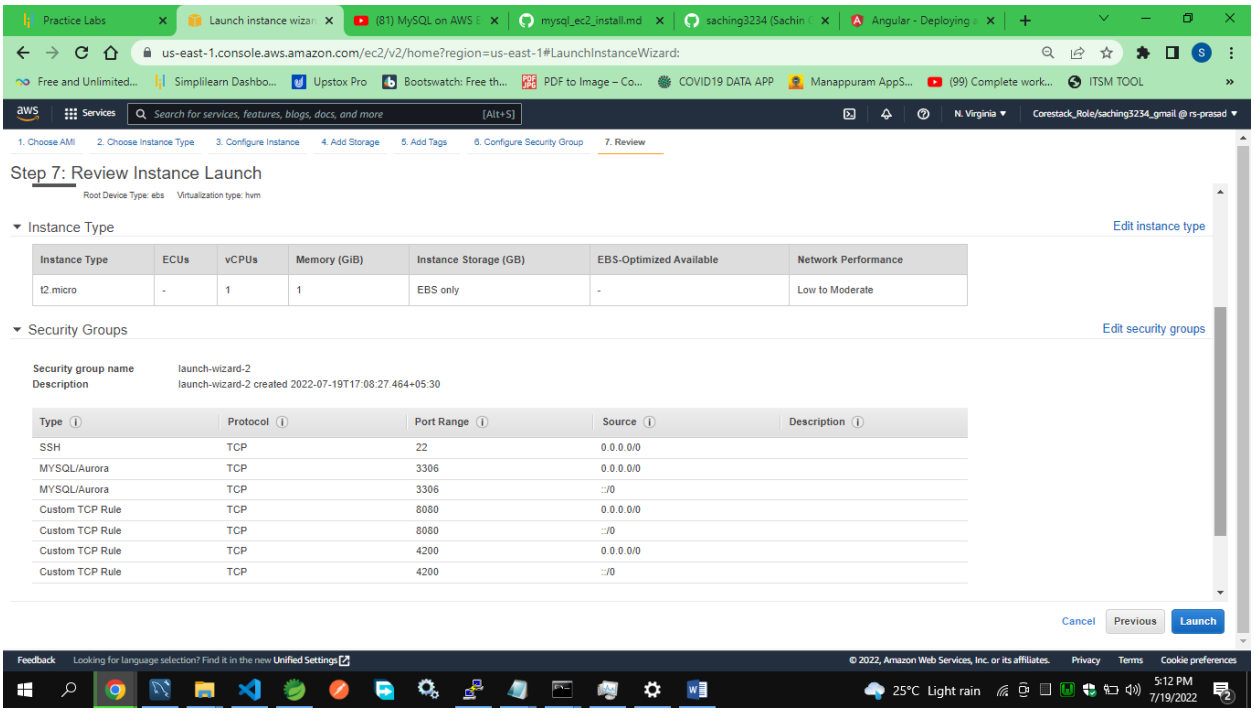
6. Adding Tags-



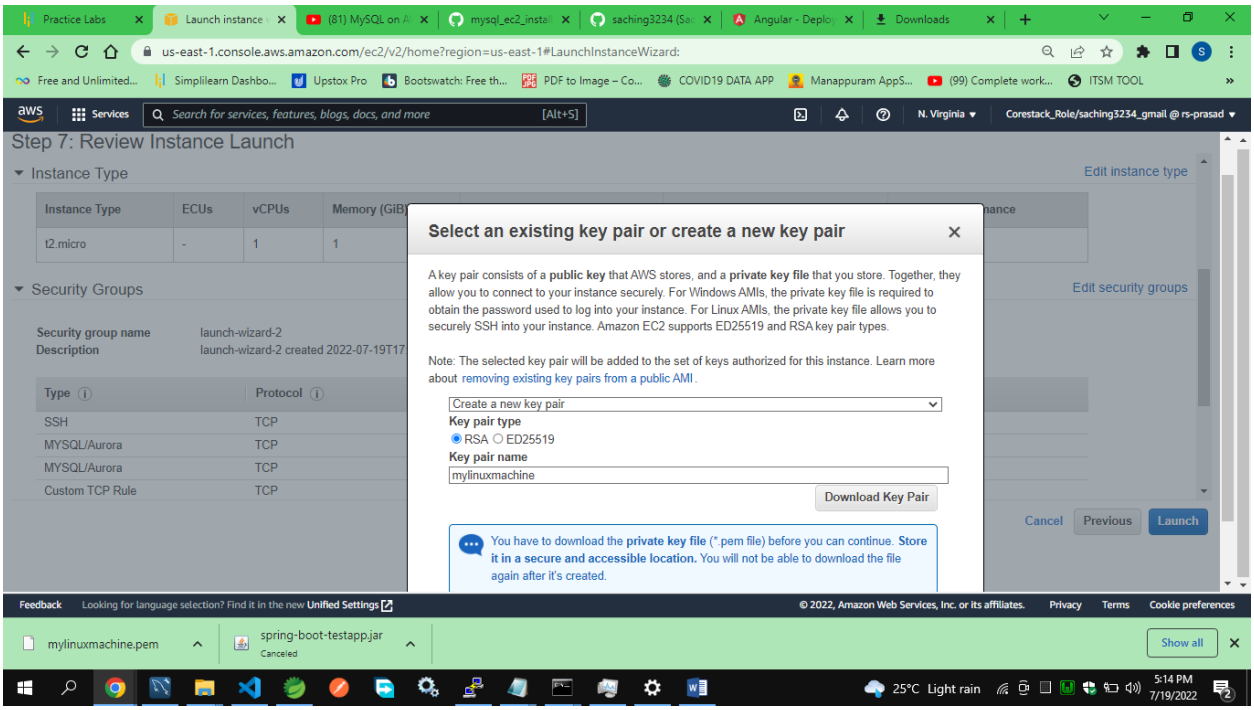
7.Setting the firewall rules



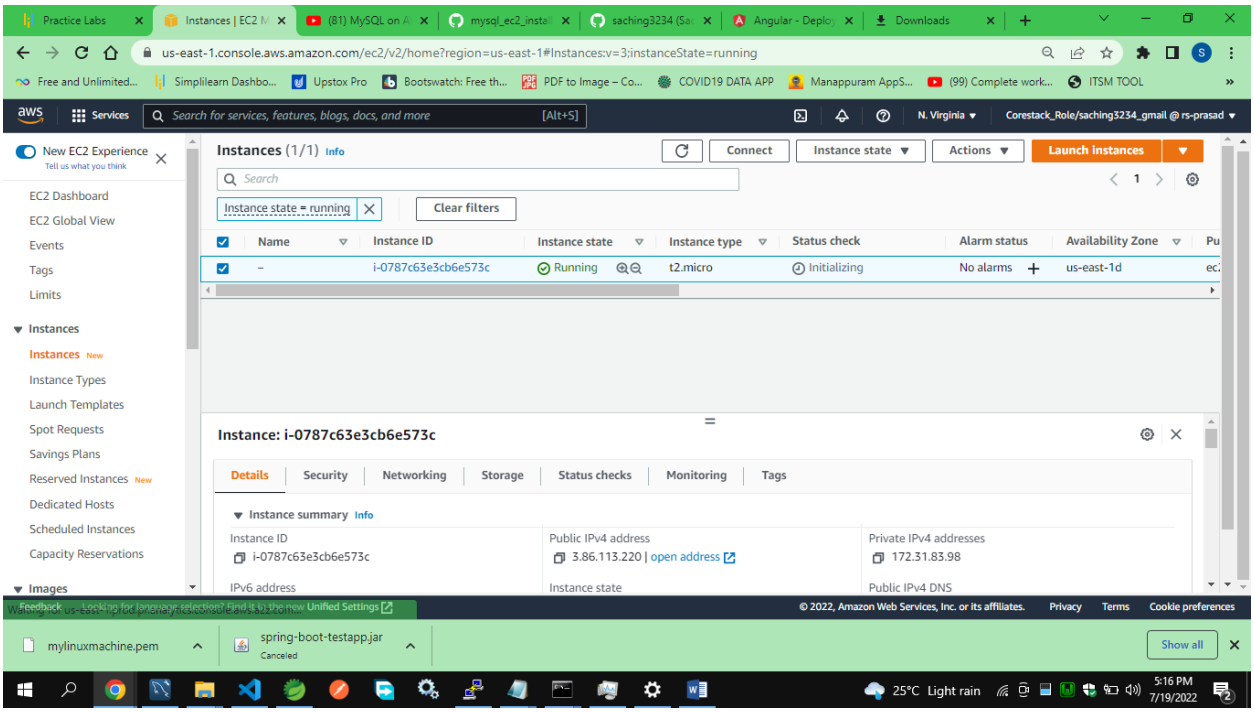
8.Launching the instance



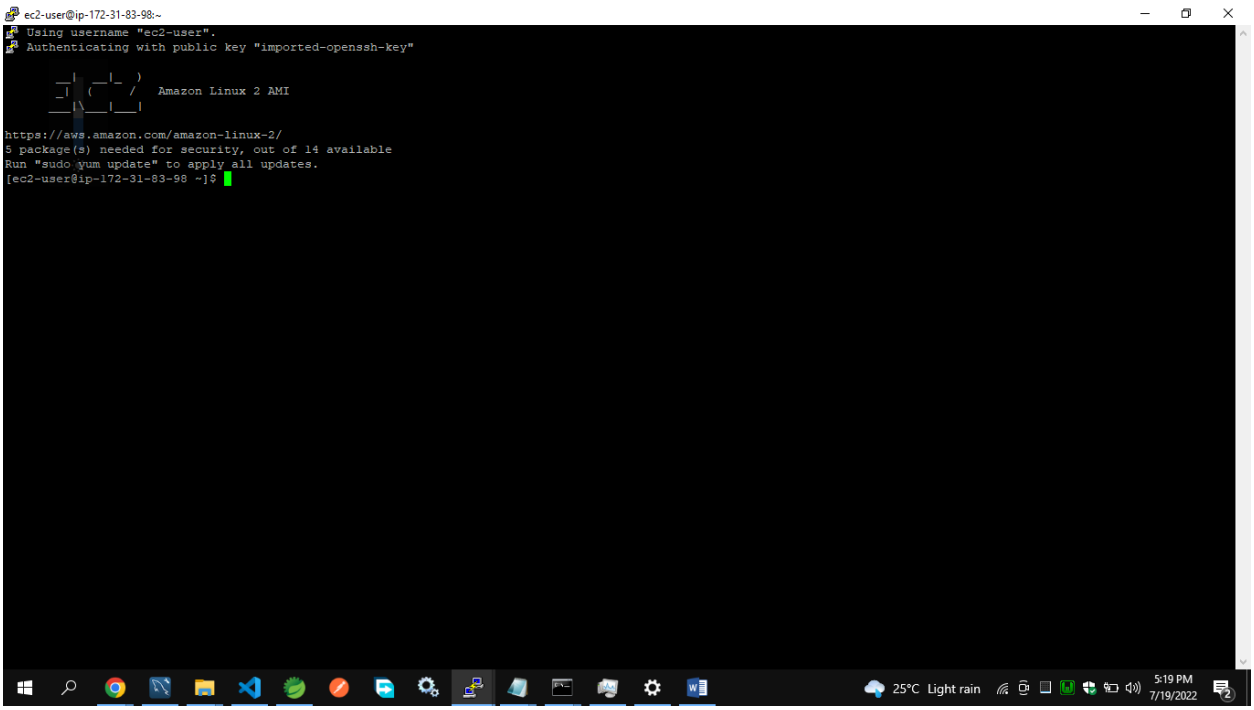
9.Creating the key for login the instance-



10. Running Instance:-



11.Conneting to the instance



12.Insatlling the Mysql Server-

#mysql installation commands-

#going to root user

sudo su

sudo yum install -y https://dev.mysql.com/get/mysql80-community-release-el7-3.noarch.rpm

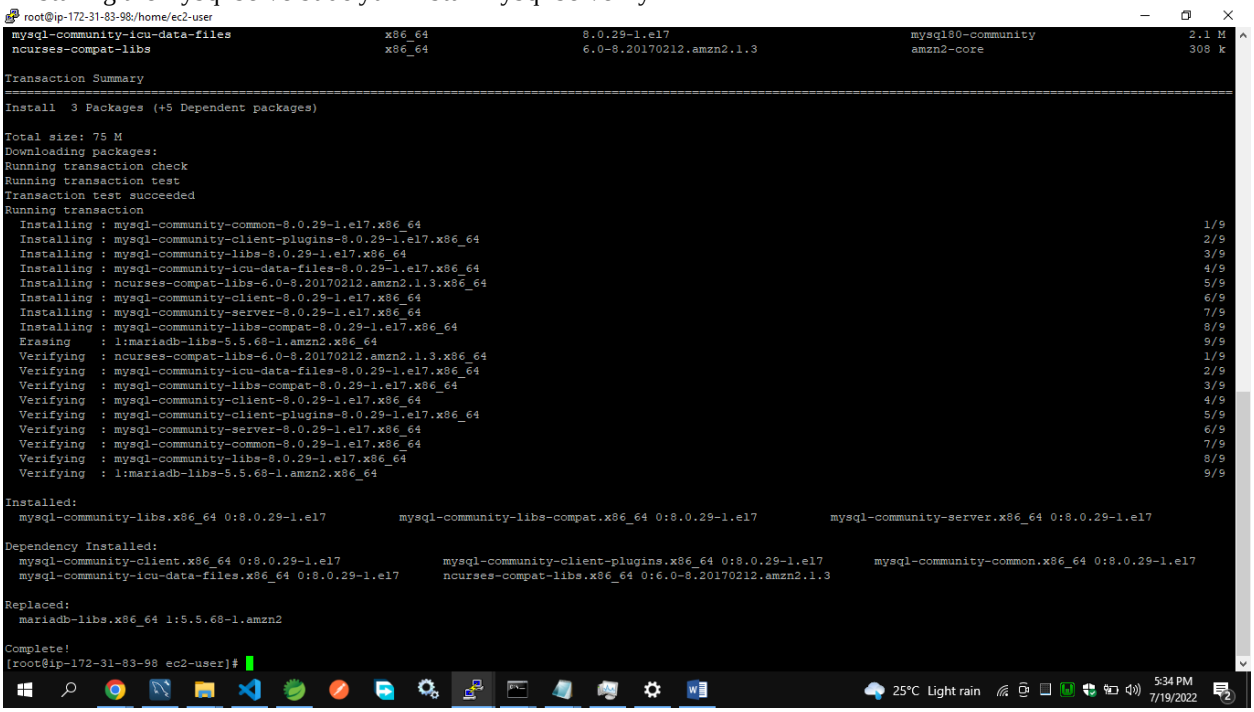
sudo amazon-linux-extras install epel -y

sudo yum install -y mysql-community-server

#imported GPG-KEY:

sudo rpm --import https://repo.mysql.com/RPM-GPG-KEY-mysql-2022

#Installing the mysql serversudo yum install mysql-server -y



13.Creating the new user in mysql.

#Starting the mysql server

sudo systemctl start mysqld

sudo systemctl enable mysqld

#Get the password for the root user:

sudo grep 'temporary password' /var/log/mysqld.log

#Login to MySQL:

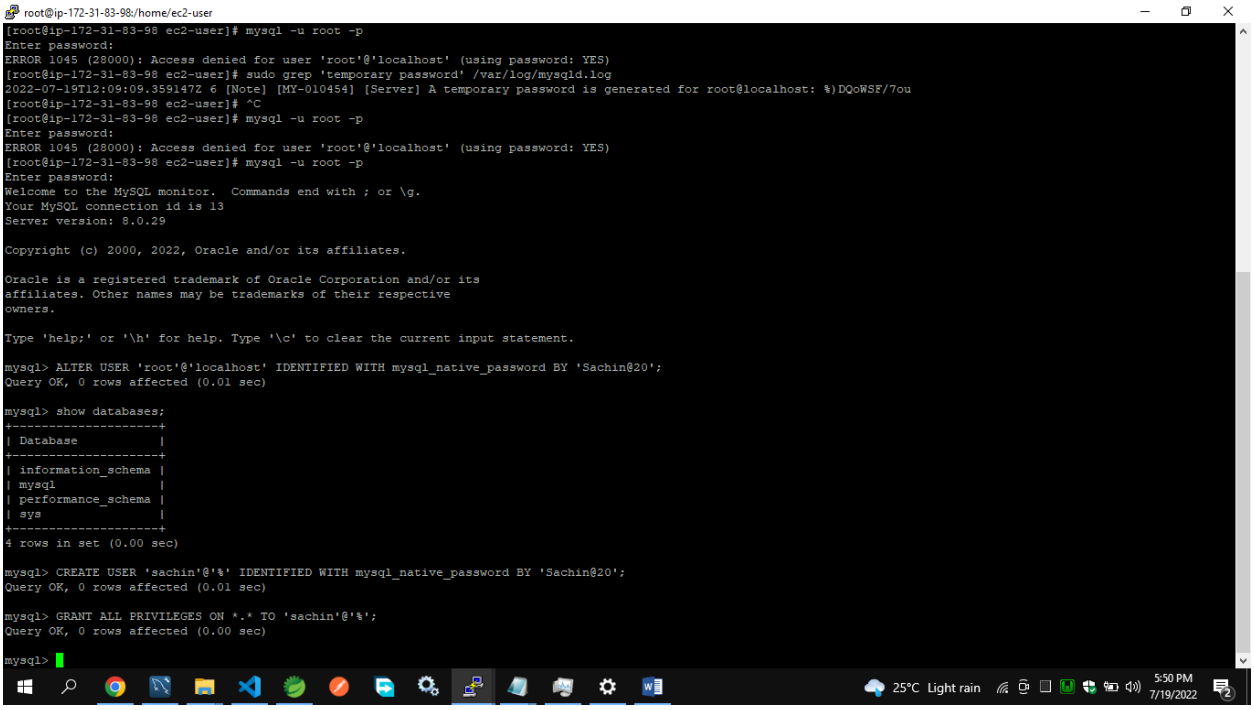
mysql -u root -p

#You have to change the root user's password before you can do anything

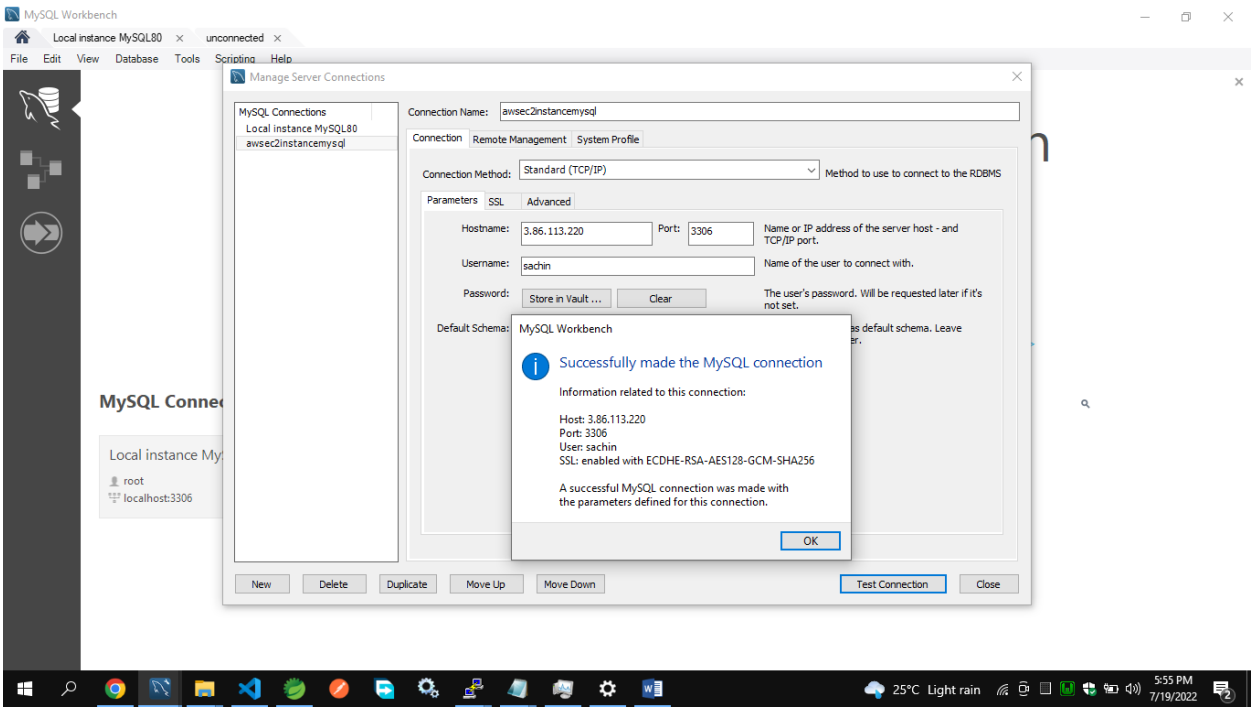
ALTER USER 'root'@'localhost' IDENTIFIED WITH mysql_native_password BY 'Sachin@20';

CREATE USER 'sachin'@'%' IDENTIFIED WITH mysql_native_password BY 'Sachin@20';

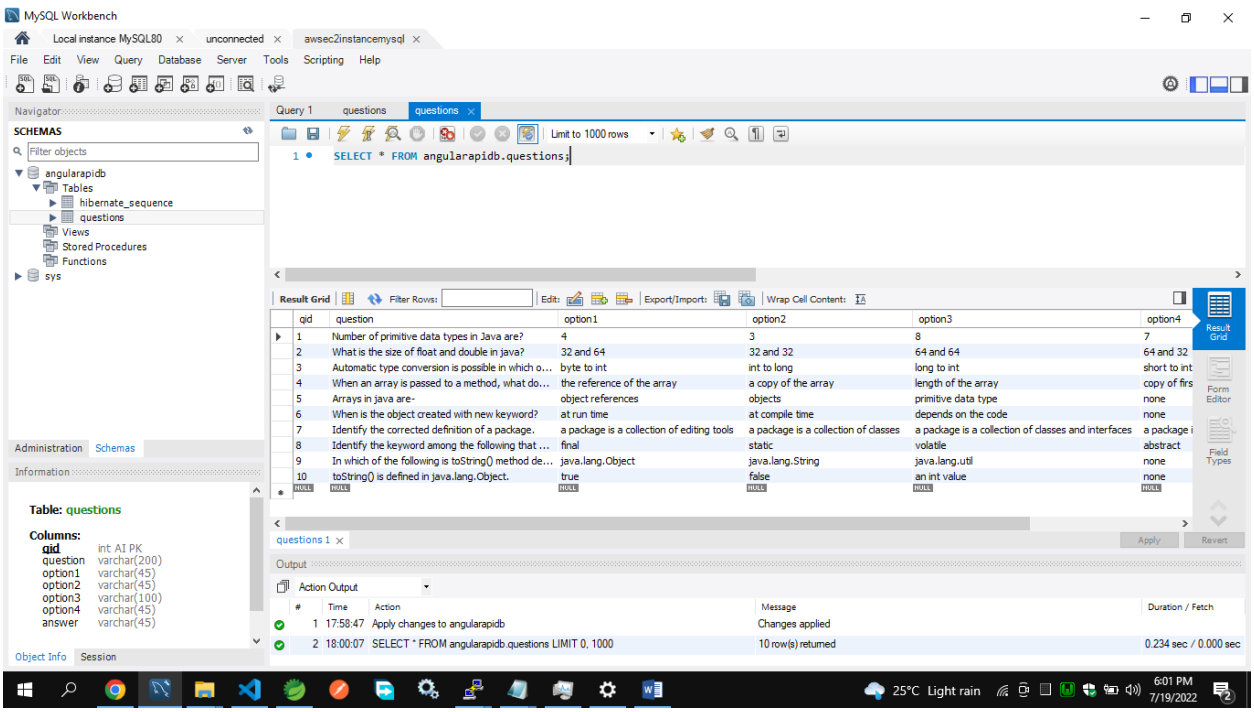
GRANT ALL PRIVILEGES ON *.* TO 'sachin'@'%';

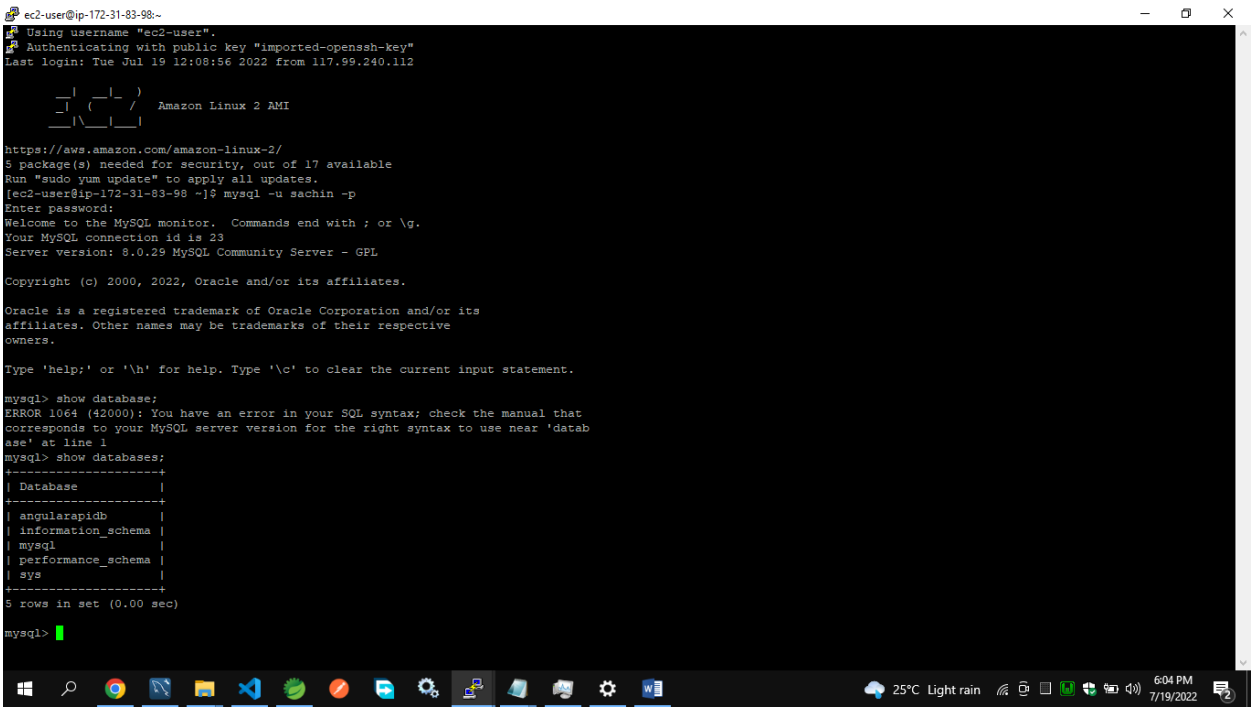


14.Connecting to the mysql server and creating the database



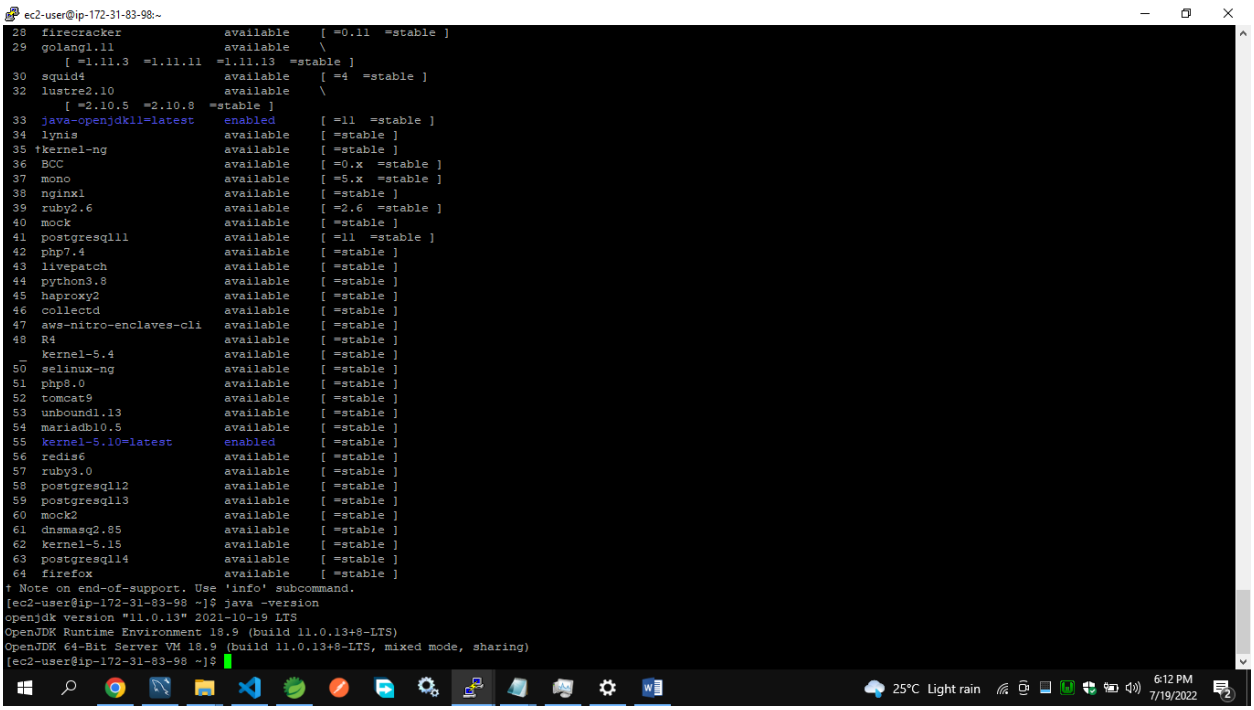
15. Data Imported from local db to ec2 mysql server db



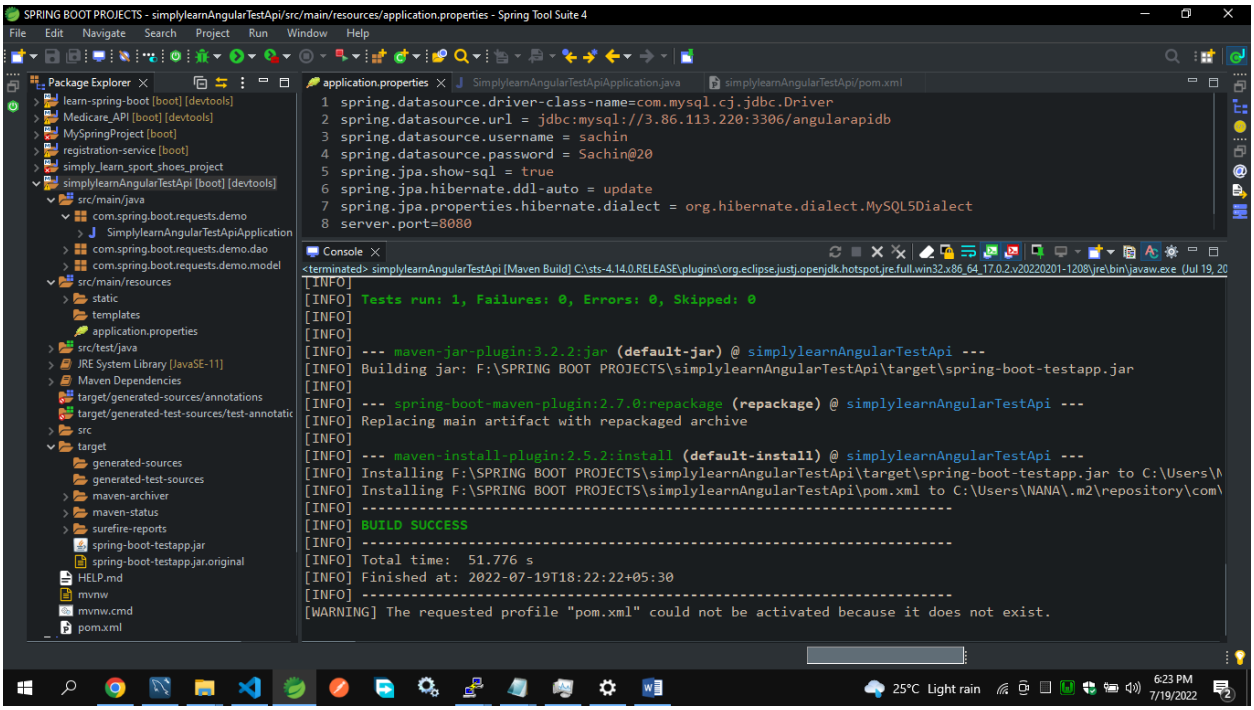


16. Installing the java on ec2

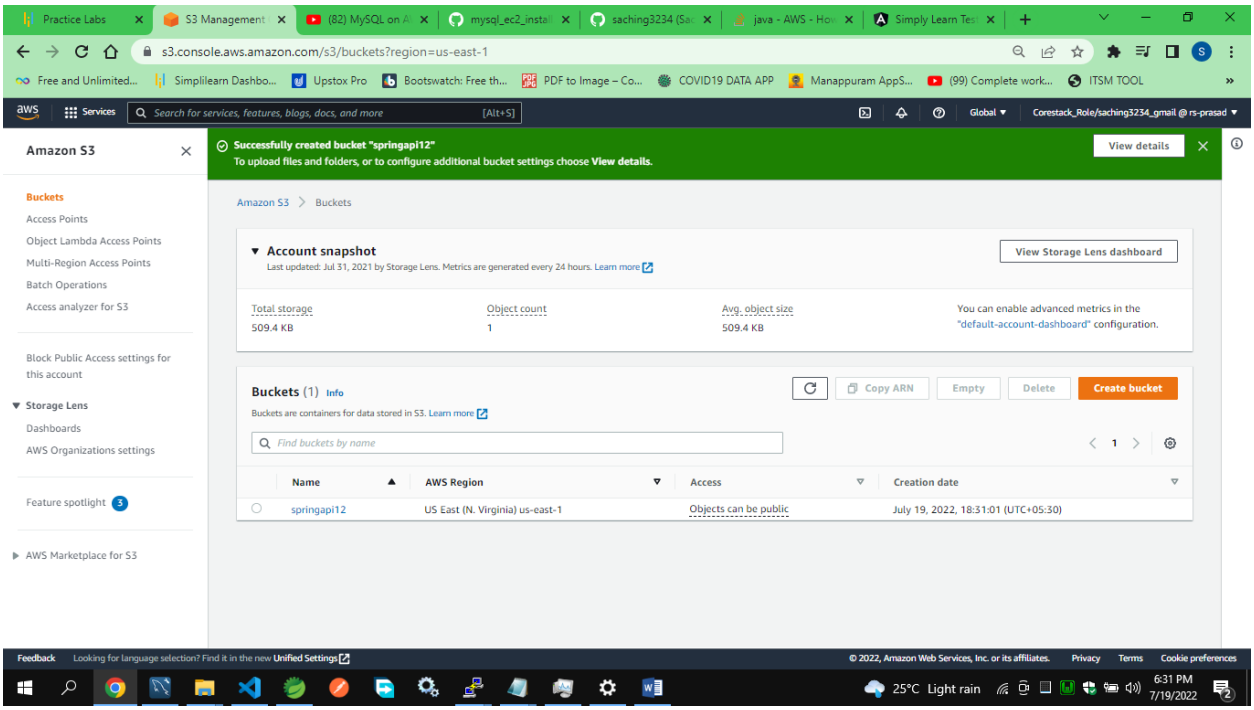
```
sudo amazon-linux-extras install java-openjdk11
```



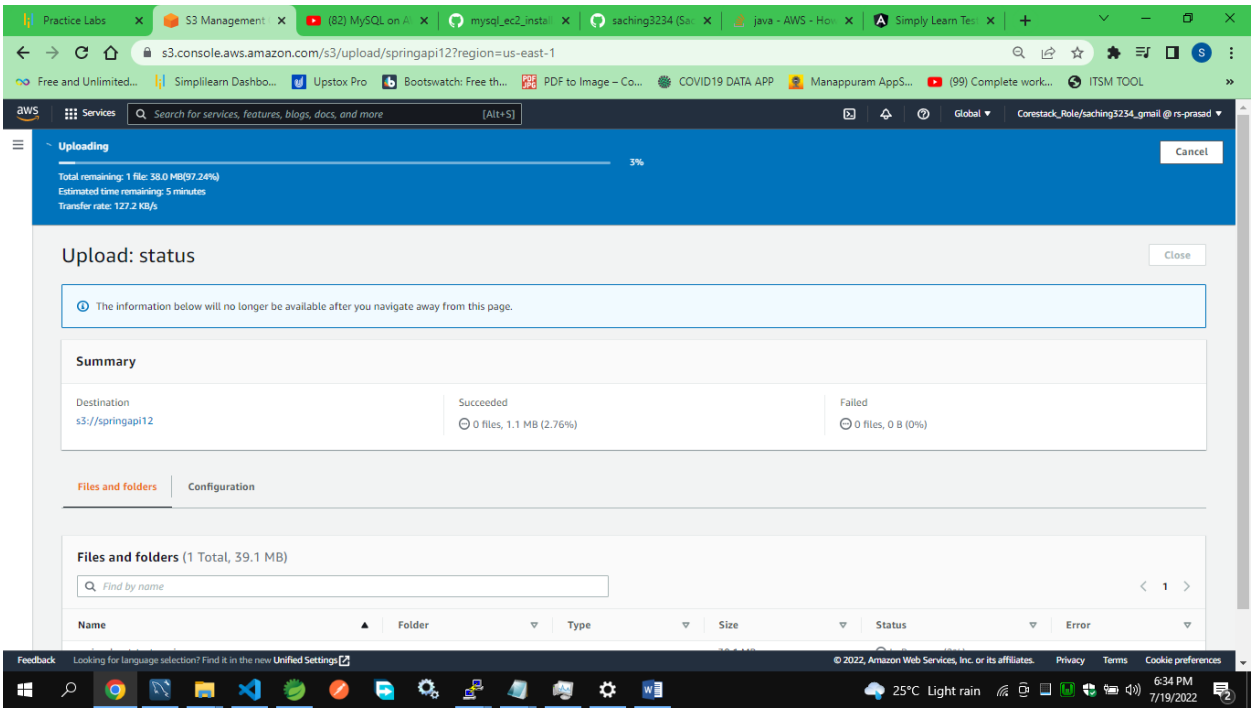
17.Created the final build of java spring boot project



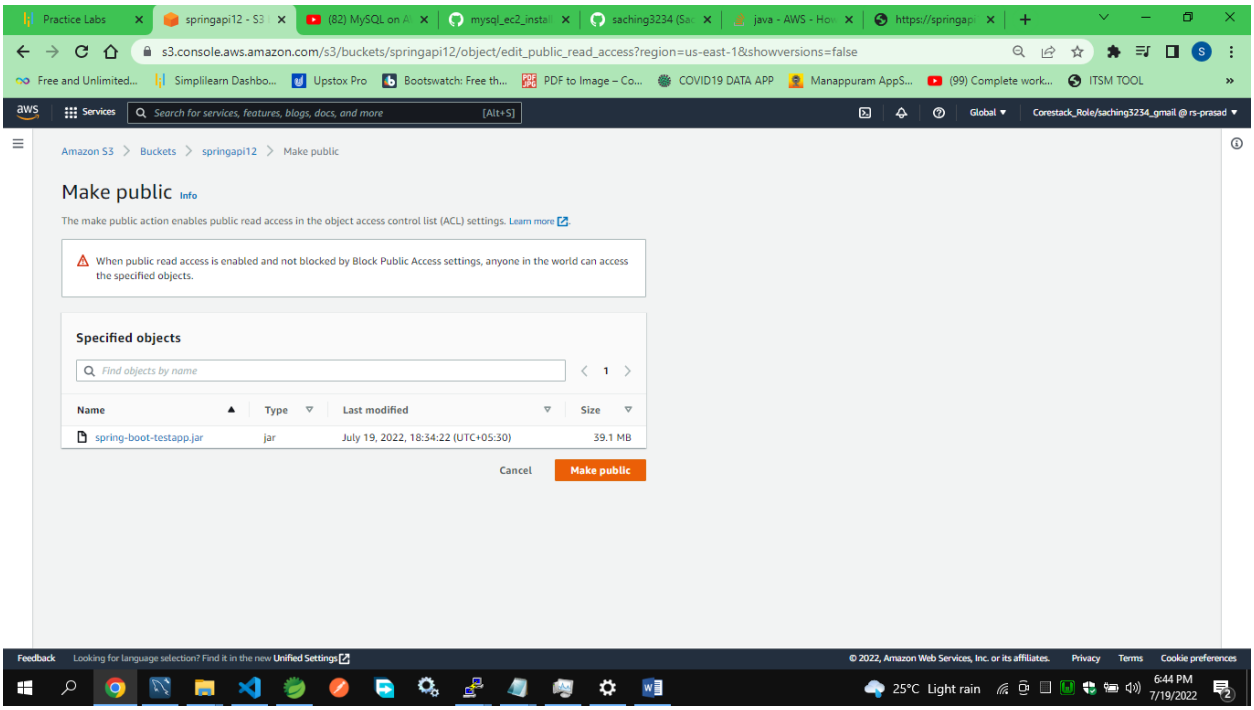
18. Creating the S3 bucket-



19. Uploading the final jar into the S3 bucket

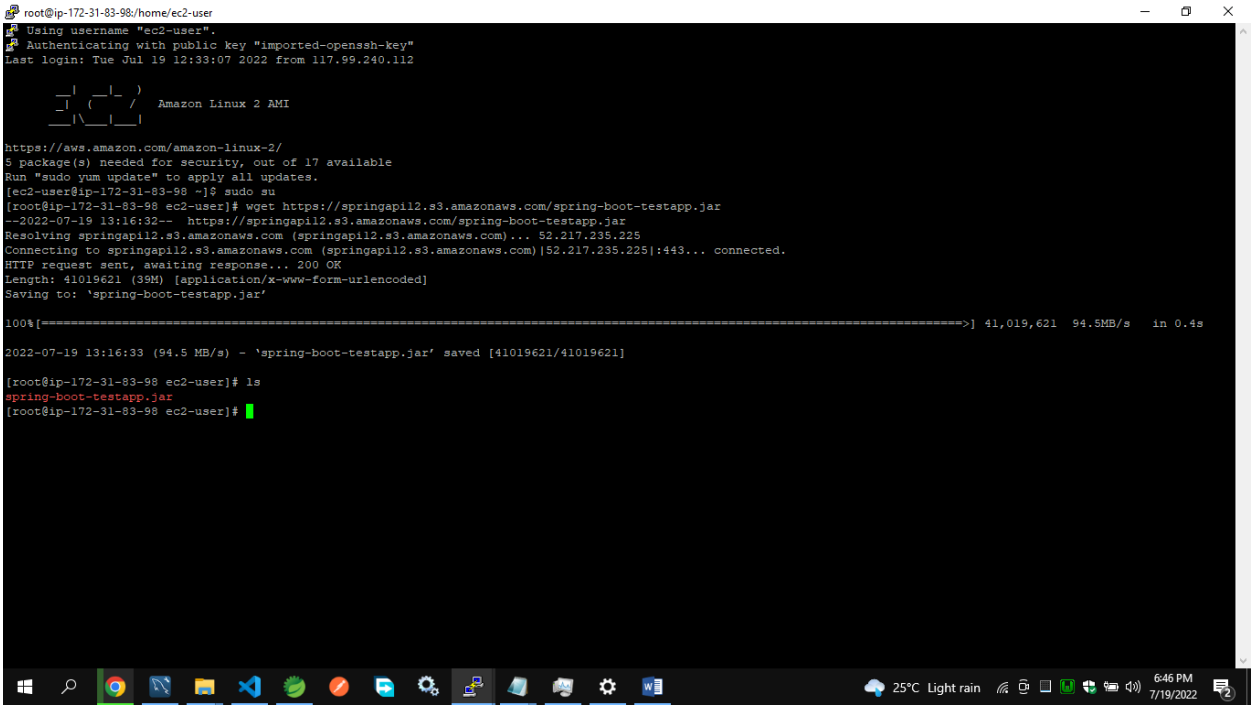


20. Making the jar available publically



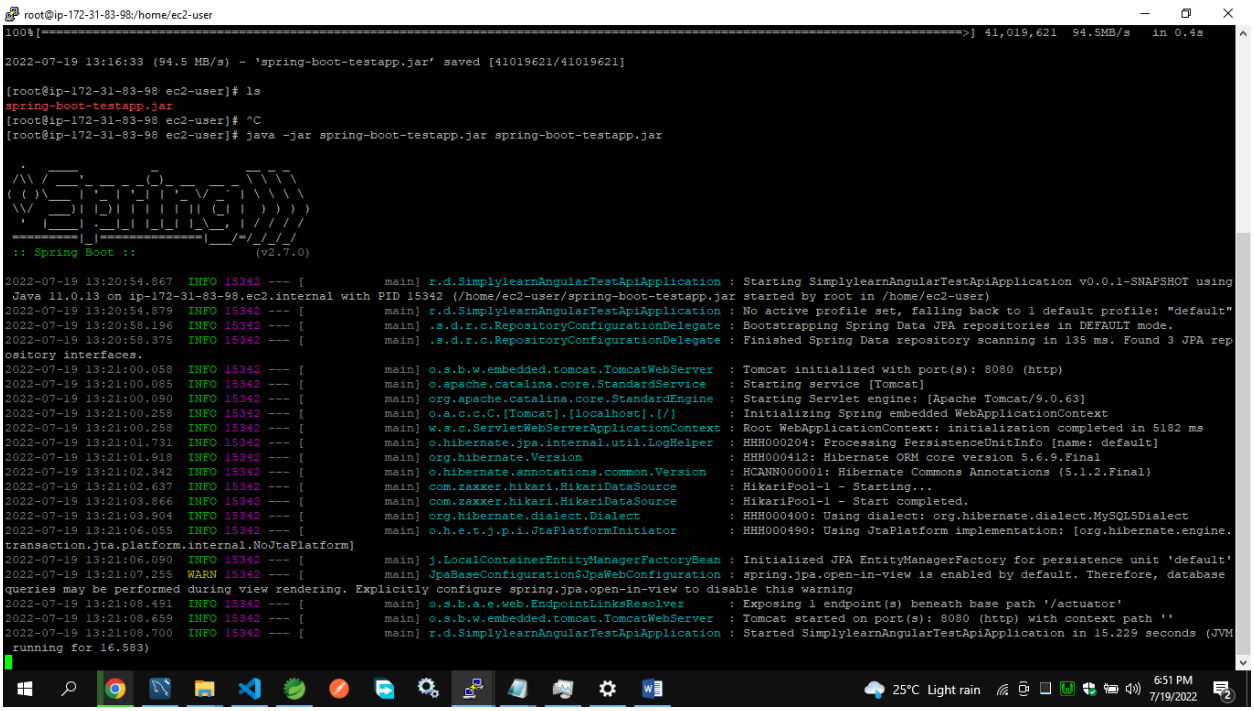
21. Downloading the jar file in the ec2 instance

wget https://springapi12.s3.amazonaws.com/spring-boot-testapp.jar



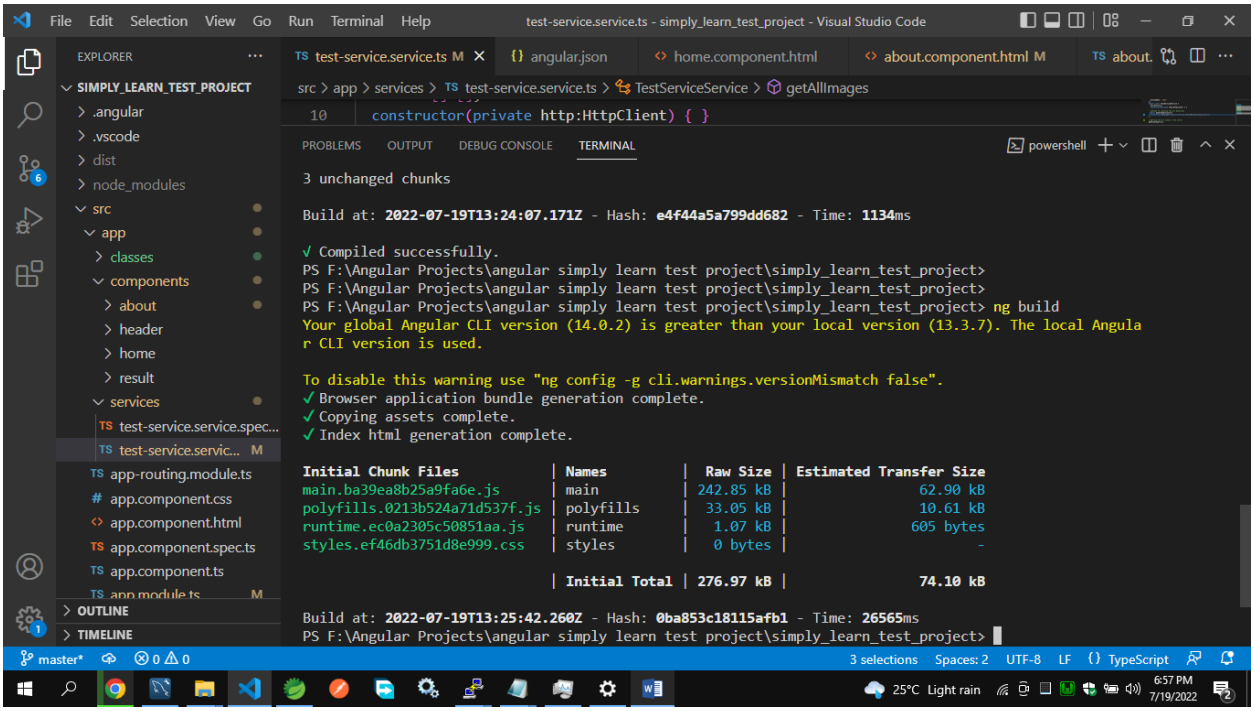
22. Running the spring boot app-

java -jar spring-boot-testapp.jar spring-boot-testapp.jar

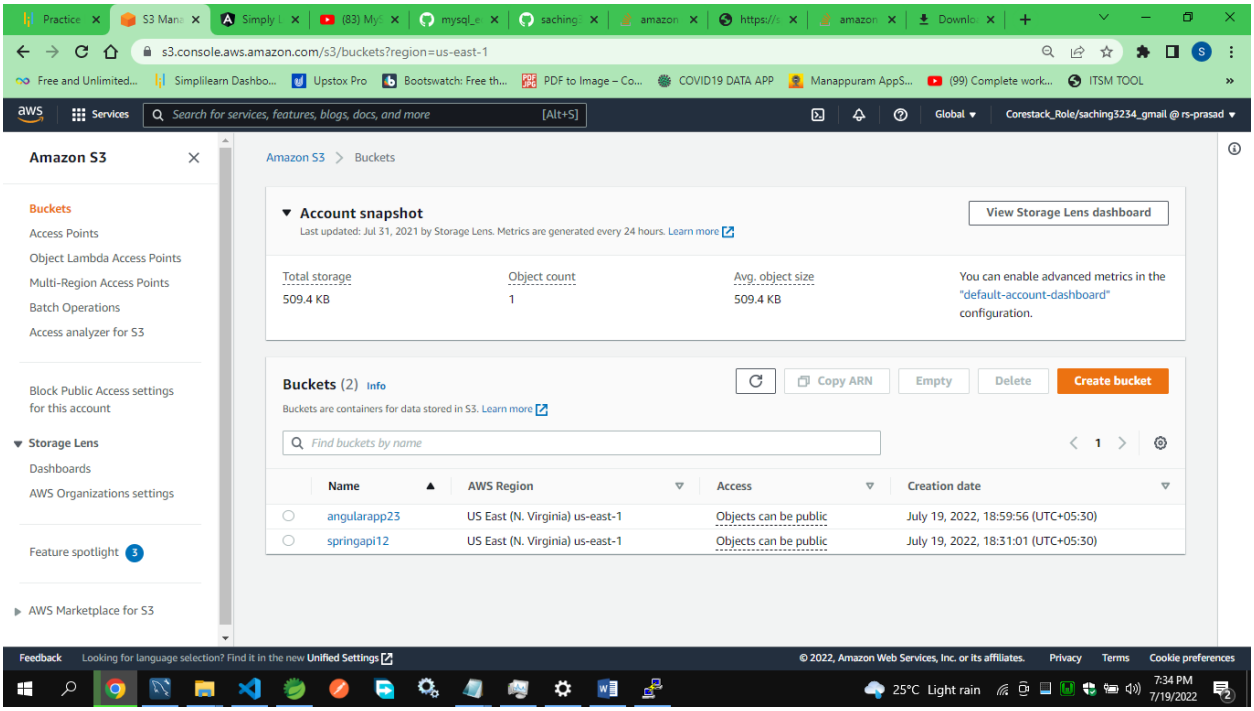


23. Building the angular app for final deployment .

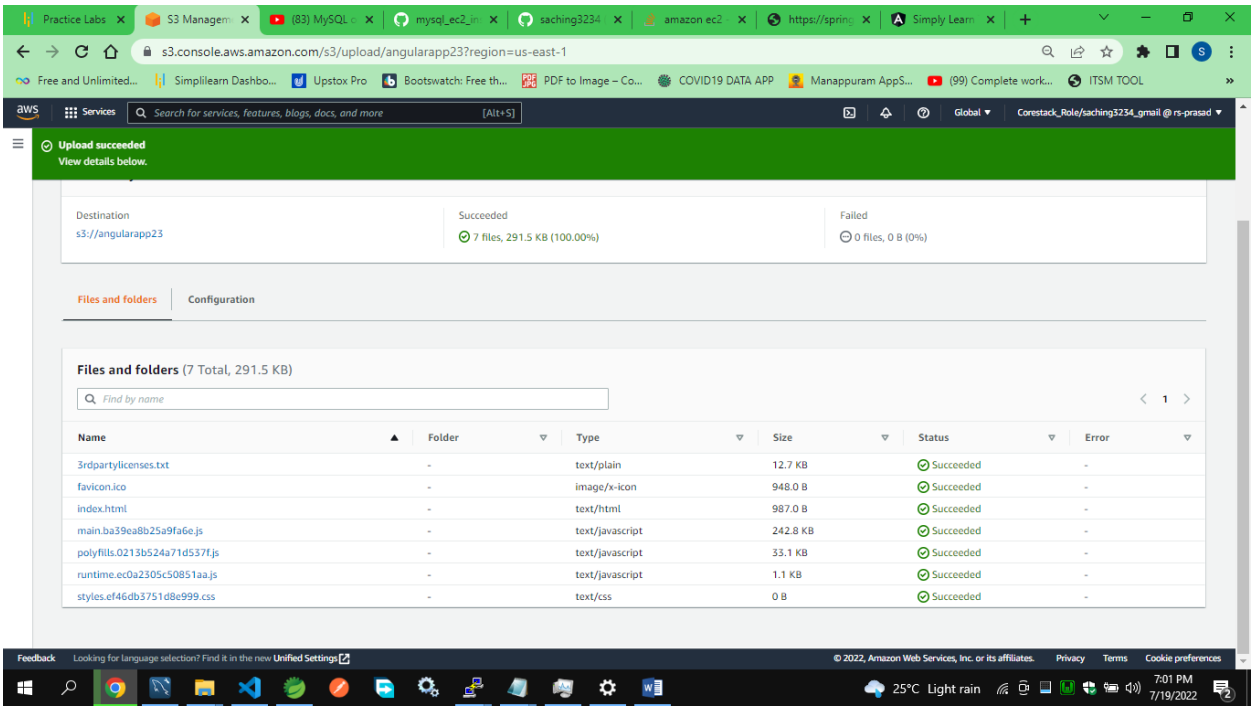
Ng build

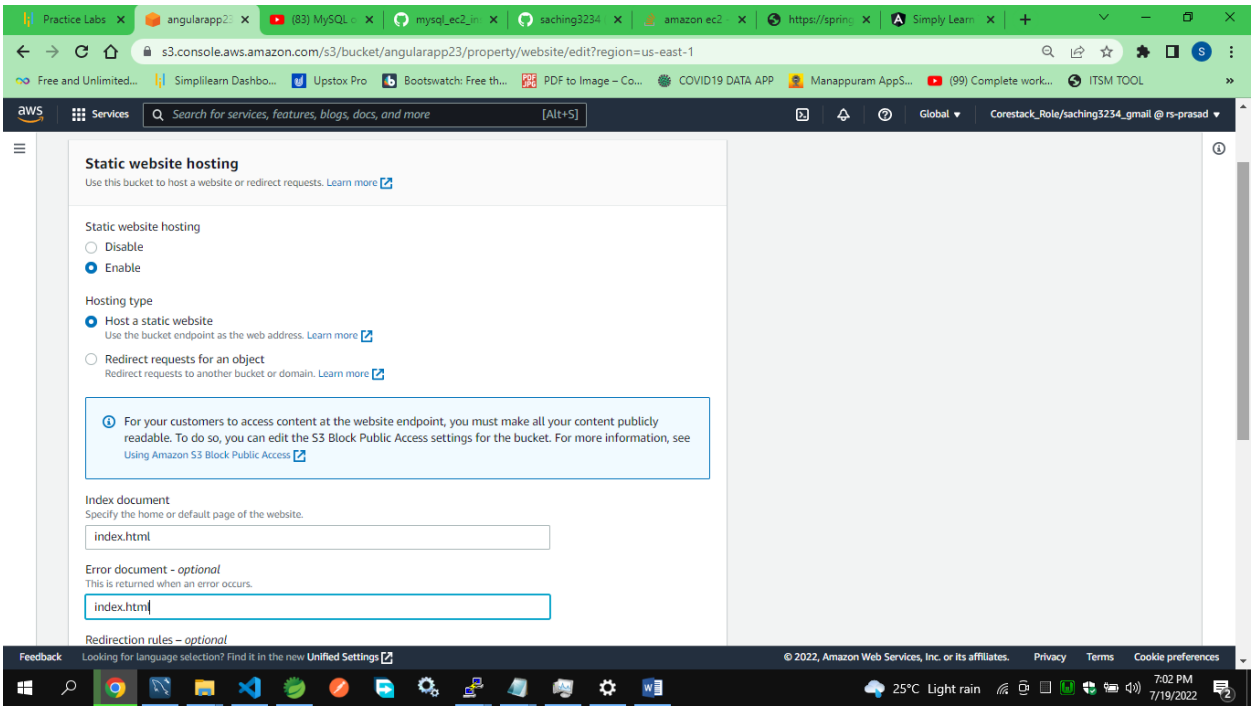


Two s3 buckets-

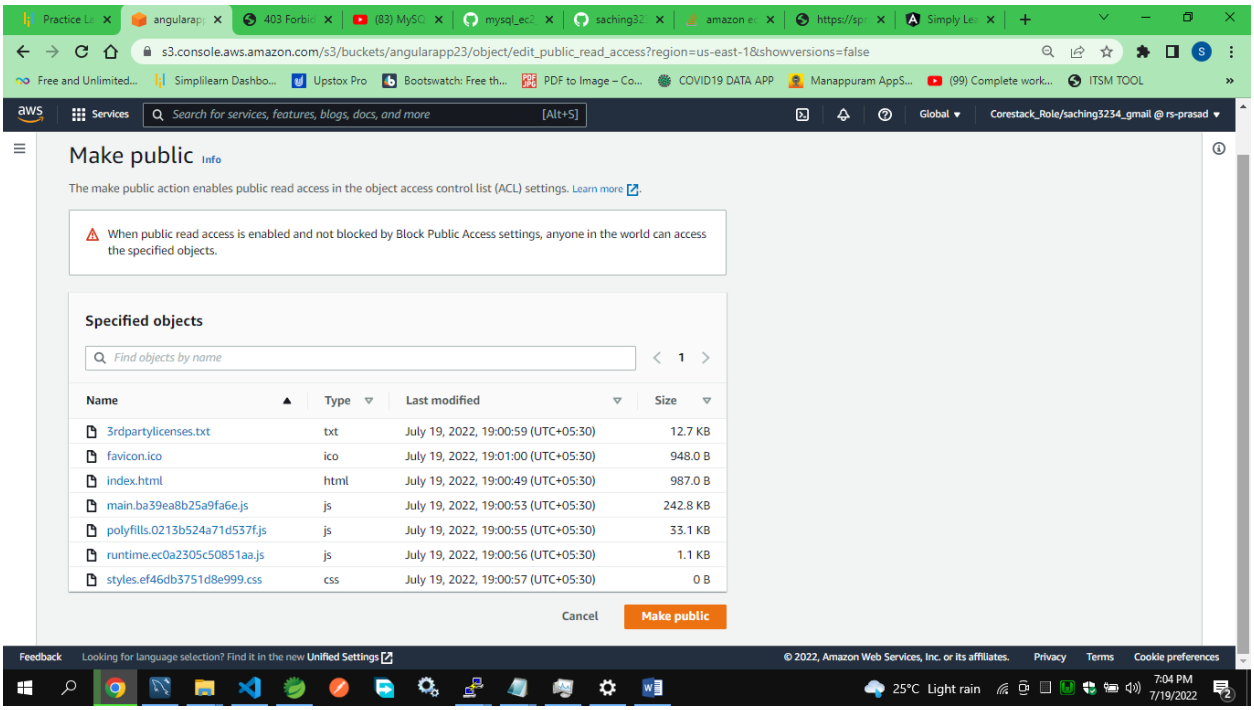


24. Hosting the angular app on s3 bucket



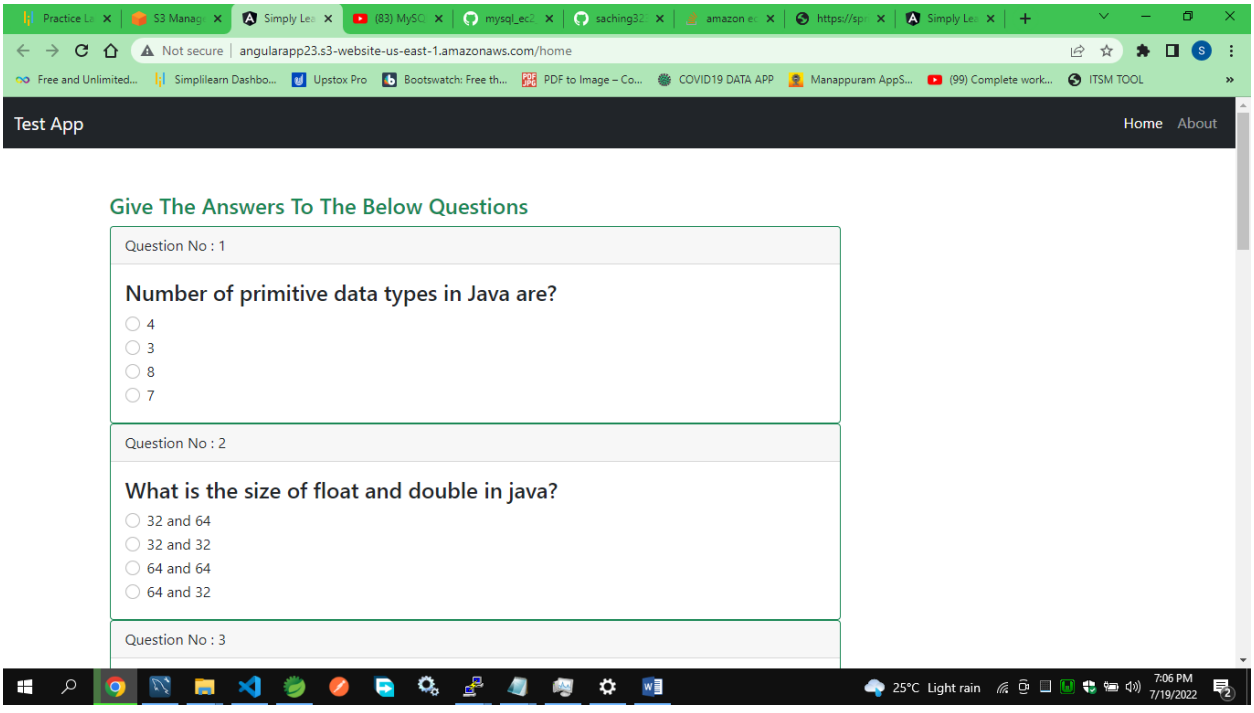


Giving the permission to access the files publically

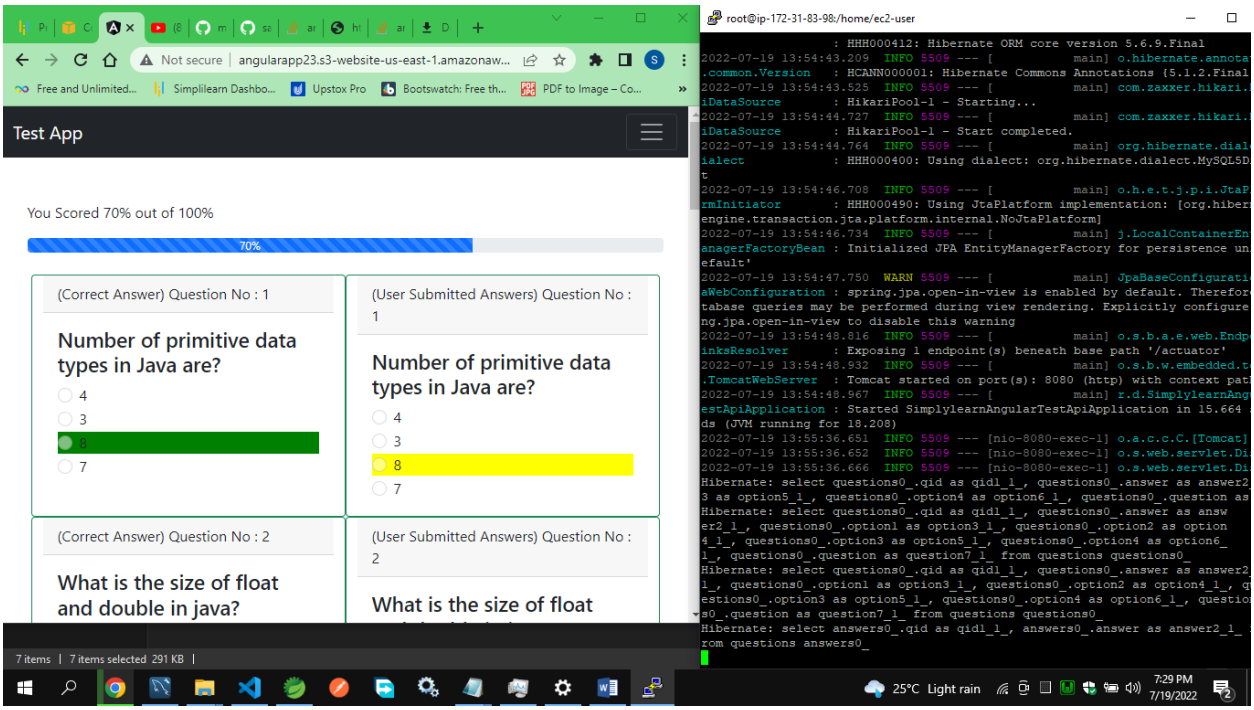


Website accessible now

http://angularapp23.s3-website-us-east-1.amazonaws.com/home



Real Time working of backend and front end-



Thank You