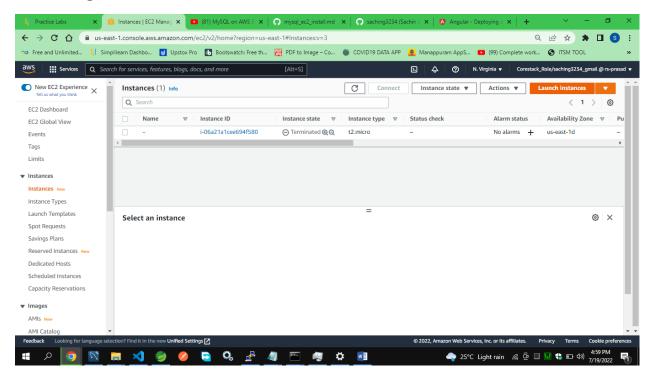
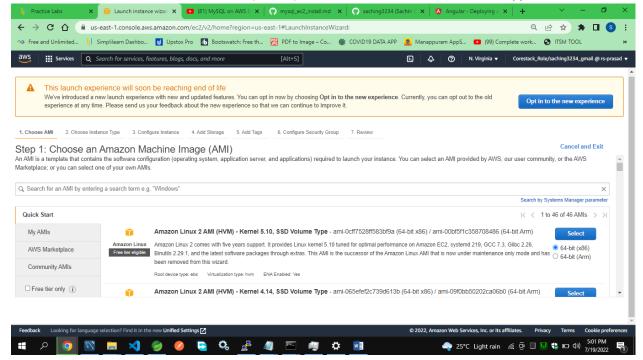
Full Name	ADAN ABDI ABDULLAHI
Batch	Dec 2020
Project Title	CI/CD Deployment for Springboot Application.
Project Submission Date	29 July – 2022
Git Hub Project Link	https://github.com/adam798/phase5project.git

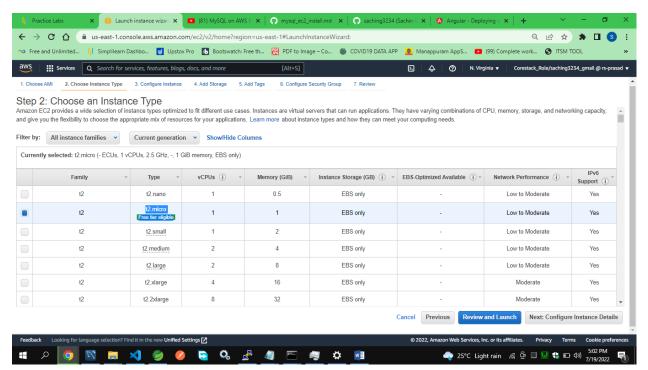
1.Creating the new Ec2 linux instance:-



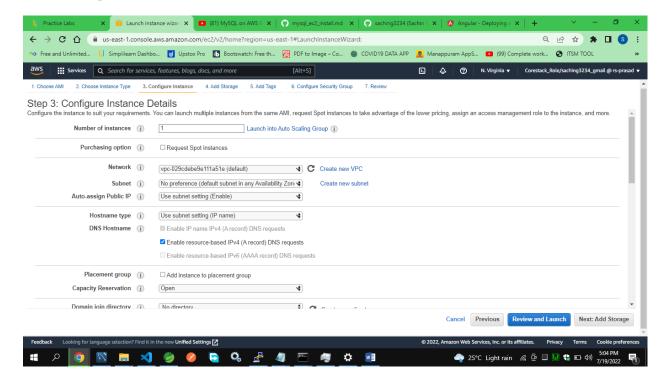
2.selected Amazon Linux 2 AMI (HVM) - Kernel 5.10, SSD Volume Type :-



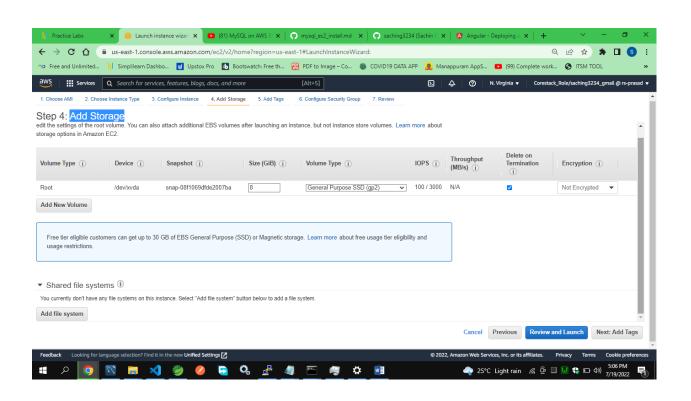
3.selected t2.micro Free tier eligible



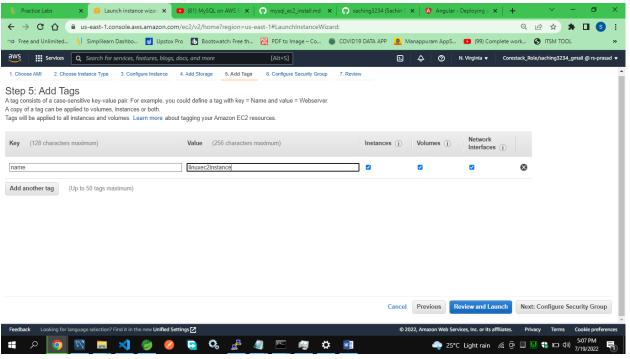
4. Configure Instance Details:-



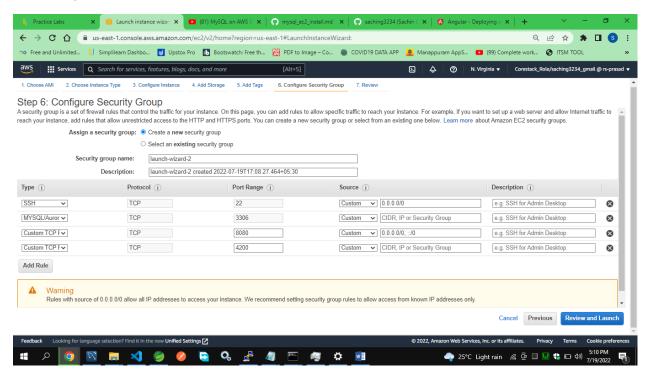
5. Adding Storage:-



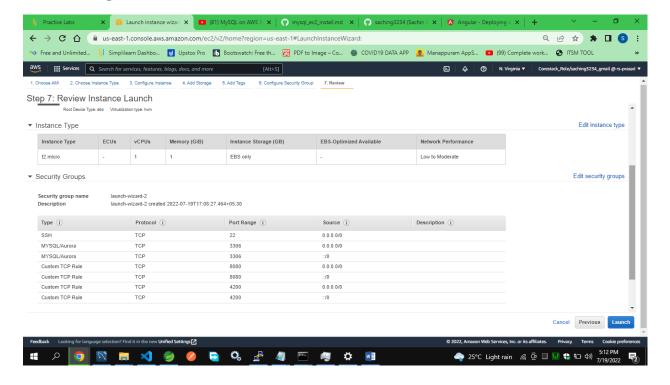
6. Adding Tags-



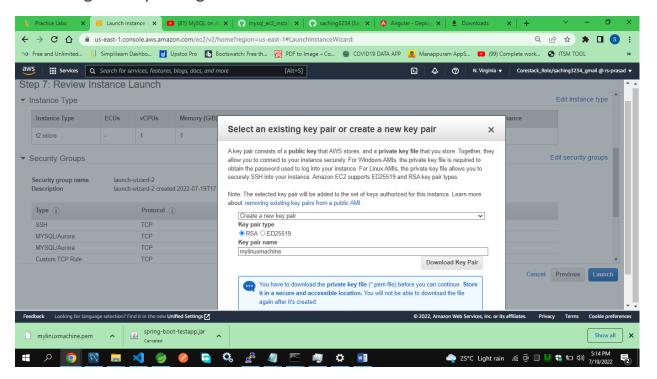
7. Setting the firewall rules



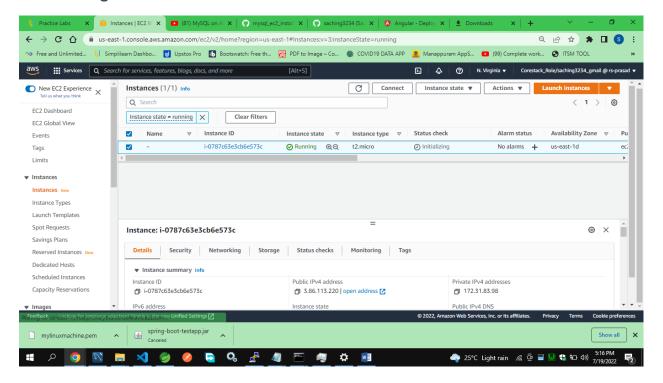
8. Launching the instance



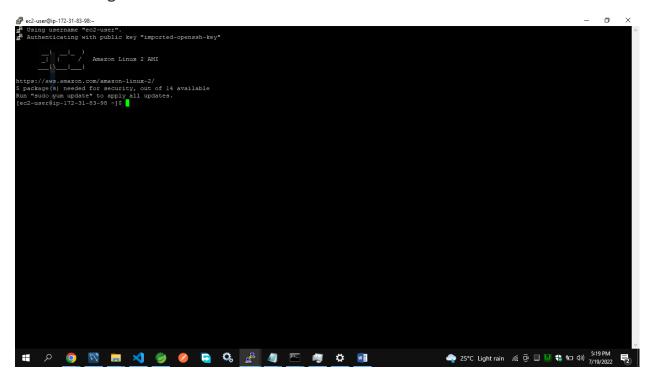
9. Creating the key for login the instance-



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

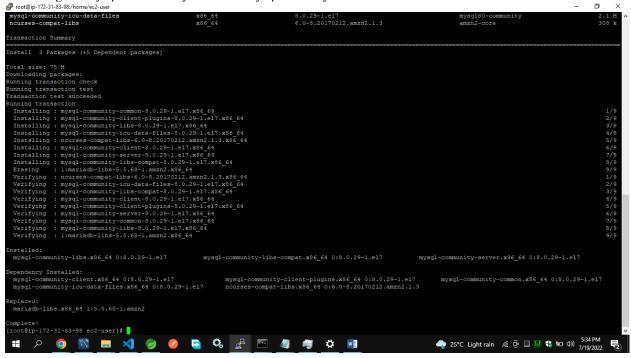
sudo amazon-linux-extras install epel -y

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 systemetl 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

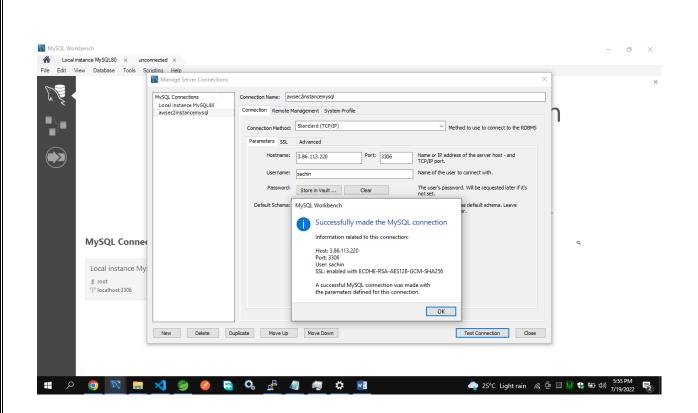
ALTER USER 'root'@'localhost' IDENTIFIED WITH mysql_native_password BY 'Sachin@20';

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

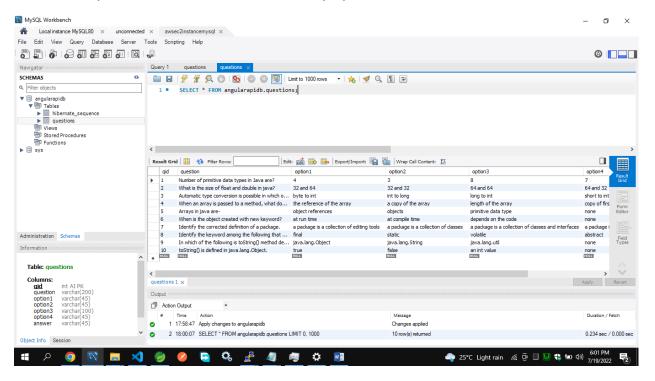
GRANT ALL PRIVILEGES ON *.* TO 'sachin'@'%';

```
| Cooling | 173-18-18-20-morked-very | Cooling | Cooling | 173-18-18-20-morked | Cooling | Cooli
```

14. Connecting to the mysql server and creating the database



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



```
🧬 ec2-user@ip-172-31-83-98:∼
                                                                                                                                                                                                                                                                                           Using username "ec2-user".

Authenticating with public key "imported-openssh-key"
Last login: Tue Jul 19 12:08:56 2022 from 117.99.240.112
 nttps://aws.amazon.com/amazon-linux-2/

package(s) needed for security, out of 17 available

tum "sudo yum update" to apply all updates.

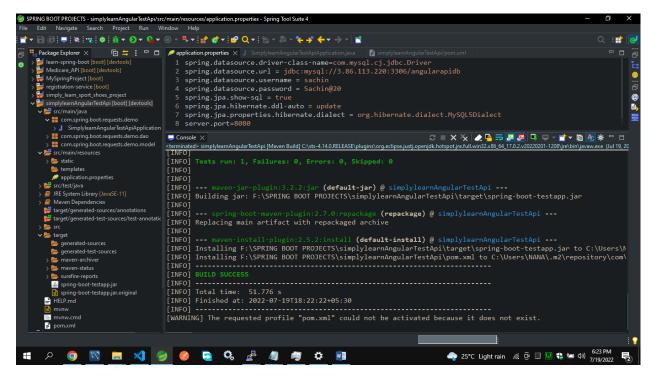
ec2-user@ip-172-31-83-98 ~]$ mysql -u sachin -p
Enter password:
Welcome to the MySQL monitor. Commands end with ; or \g.
Your MySQL connection id is 23
Server version: 8.0.29 MySQL Community Server - GPL
 Copyright (c) 2000, 2022, Oracle and/or its affiliates.
Oracle is a registered trademark of Oracle Corporation and/or its affiliates. Other names may be trademarks of their respective owners.
mysql> show database;
ERROR 1064 (42000): You have an error in your SQL syntax; check the manual that
corresponds to your MySQL server version for the right syntax to use near 'datab
ase' at line 1
mysql> show databases;
  mysql
performance_schema
  rows in set (0.00 sec)
mysql>
                                                                                                                                                                                                               - 25°C Light rain (€ 🖟 🗎 🔝 😍 Ф) 7/19/2022
 # P O N # V D
```

16. Installing the java on ec2

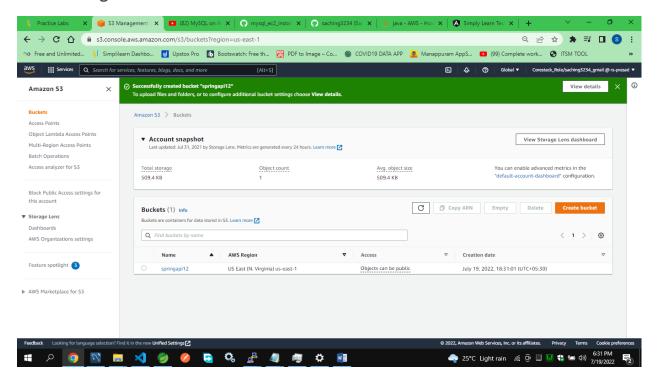
sudo amazon-linux-extras install java-openjdk11

```
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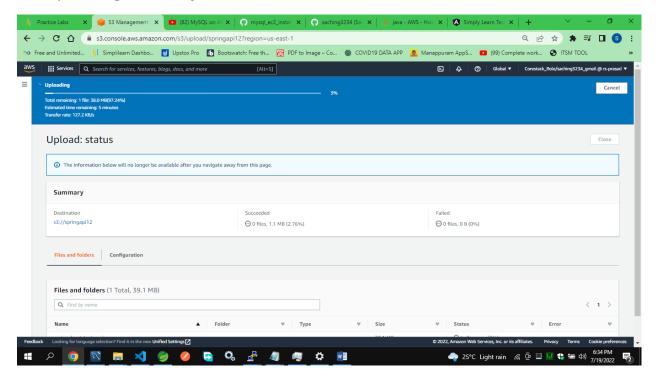
17. Created the final build of java spring boot project



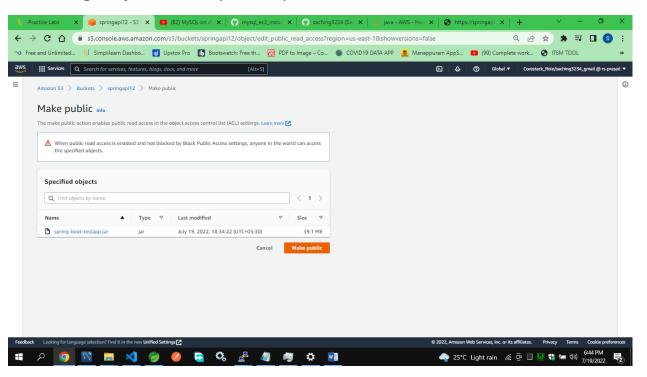
18. Creating the S3 bucket-



19. Uploading the final jar into the S3 bucket



20. Making the jar available publically

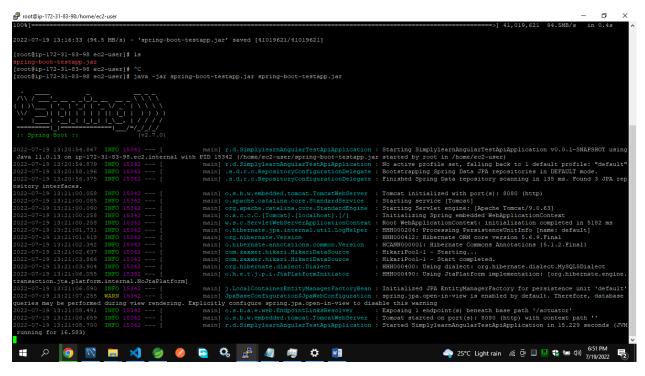


21. Downloading the jar file in the ec2 instance

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

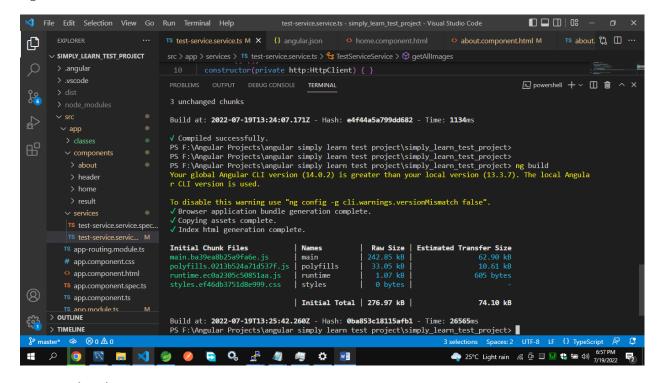
22. Running the spring boot app-

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

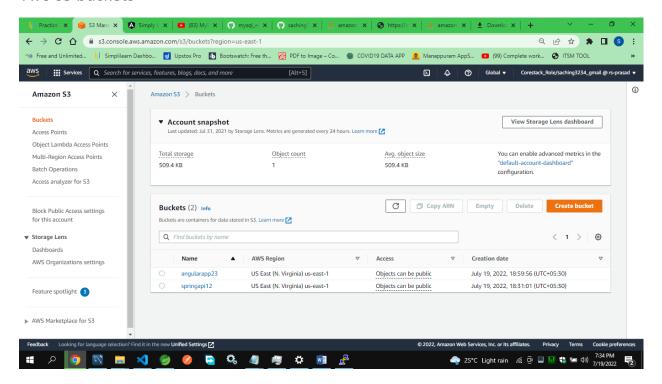


23. Building the angular app for final deployment.

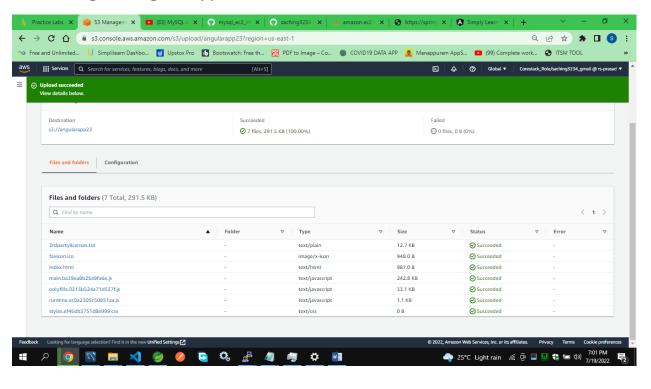
Ng build

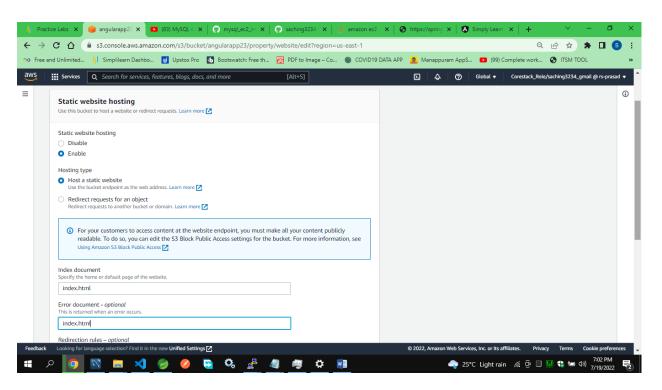


Two s3 buckets-

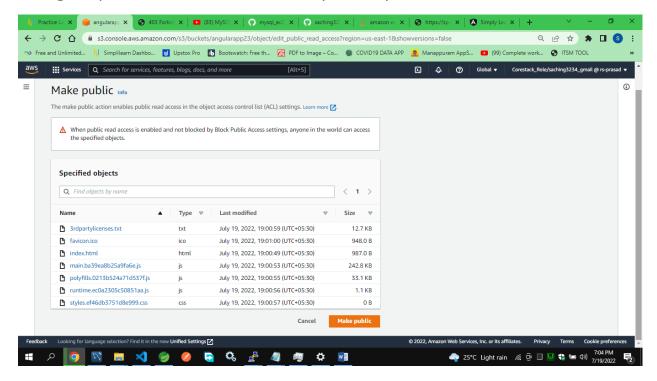


24. Hosting the angular app on s3 bucket



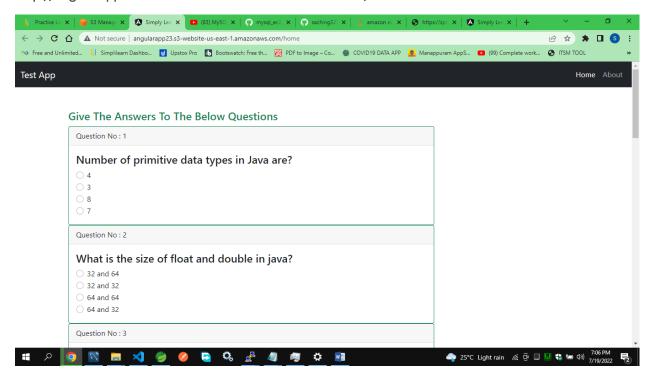


Giving the permission to access the files publically

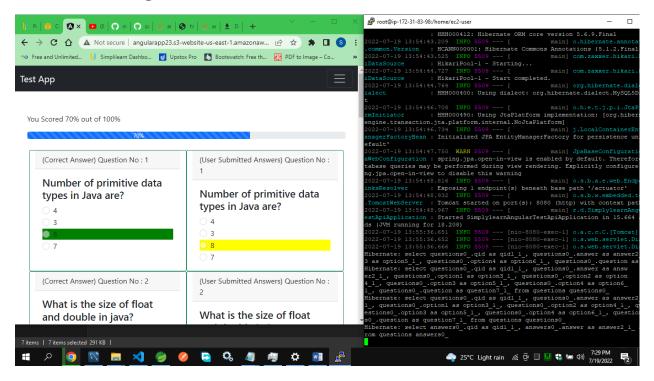


Website accessible now

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



Real Time working of backend and front end-



Thank You