

MySQL Workbench

Local instance MySQL80 x

File Edit View Query Database Server Tools Scripting Help

Navigator

Schemas

- academy
- bookstore
- myaadhar
  - myaadhar
  - Views
  - Stored Procedures
  - Functions
- myapp
- mydb
- myfeedback
- mylibannate
- myproduct
- myquizportal
- quizportal
- saile
- sys
- trail
- world

Administration Schemas

Information

Schema: myaadhar

SQL File 17\*

```
1 use myaadhar;
2 select * from myaadhar.myaadhar;
```

Result Grid

#	id	address	dob	email	fullname	gender	image_url	phone
3	5-52	dehi-mumbai	02-01-1947	modipm.com	Narendra Modi	male	<a href="https://freepngimg.com/thumb/narendra_modi/...">https://freepngimg.com/thumb/narendra_modi/...</a>	888888
2	9-96	gujrat-pak	2002-10-13	amit@bahah.com	Amit	male	<a href="https://i.ytimg.com/vi/EorKyBbftI/mqdefault.jpg">https://i.ytimg.com/vi/EorKyBbftI/mqdefault.jpg</a>	777777
11	1-12	dallas-uk	2201-01-02	max@testing.com	Testing Name@max	Male	<a href="https://static.vecteezy.com/system/resources/...">https://static.vecteezy.com/system/resources/...</a>	123456777

Output

Action Output

#	Time	Action	Message	Duration / Fetch
30	23:34:42	select * from myaadhar.myaadhar LIMIT 0, 1000	2 row(s) returned	0.000 sec / 0.000 sec
31	23:35:24	select * from myaadhar.myaadhar LIMIT 0, 1000	3 row(s) returned	0.000 sec / 0.000 sec

Automatic context help is disabled. Use the toolbar to manually get help for the current caret position or to toggle automatic help.

--Successfully Tested

- Deploy The Application In EC2:

## Spring Boot Project in STS

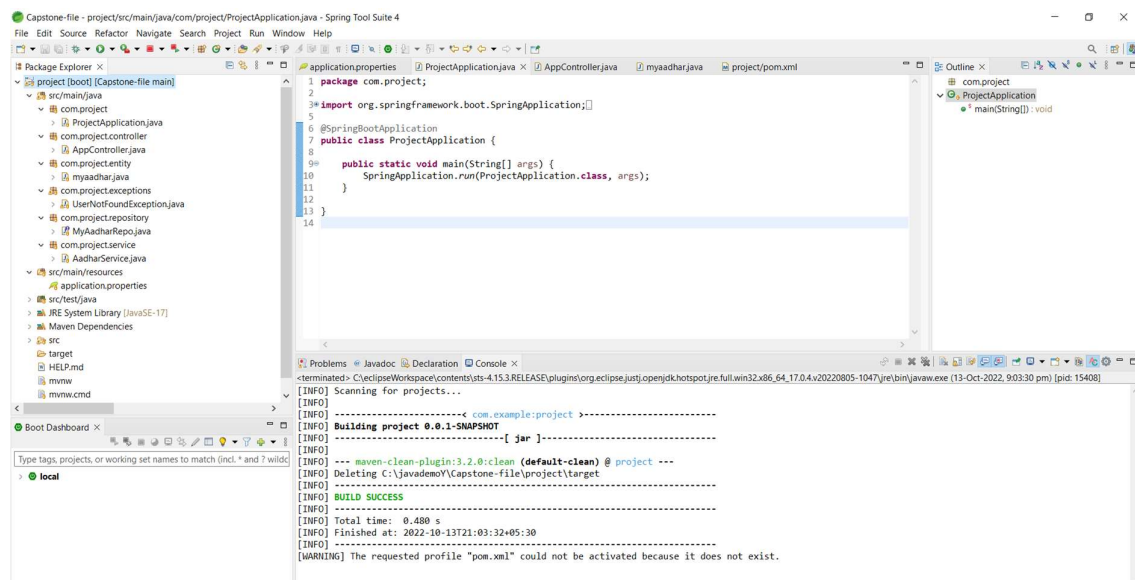
- After creating the Project :

➤ Maven Clean

➤ Maven Install

➤ Maven Update

- After this we find the SNAPSHOT.jar in Target folder.



Capstone-file - project/src/main/java/com/project/ProjectApplication.java - Spring Tool Suite 4

File Edit Source Refactor Navigate Search Project Run Window Help

Package Explorer

- project [Capstone-file main]
  - src/main/java
    - com.project
      - ProjectApplication.java
      - AppController.java
      - project.entity
      - myaadhar.java
      - com.project.exceptions
        - UserNotFoundException.java
      - com.project.repository
        - MyAadharRepo.java
      - com.project.service
        - AadharService.java
    - src/main/resources
      - application.properties
    - src/test/java
      - JRE System Library [JavaSE-17]
    - Maven Dependencies
    - target/generated-sources/annotations
    - target/generated-test-sources/test-annotations
    - src
    - target
    - HELP.md

application.properties

```
1 package com.project;
2
3 import org.springframework.boot.SpringApplication;
4
5 @SpringBootApplication
6 public class ProjectApplication {
7
8     public static void main(String[] args) {
9         SpringApplication.run(ProjectApplication.class, args);
10     }
11 }
12
13
14
```

Outline

- com.project
  - ProjectApplication
    - main(String[]) : void

Problems Javadoc Declaration Console

```
<terminated> C:\eclipseWorkspace\contents\sts-4.15.3.RELEASE\plugins\org.eclipse.justi.openjdk.hotspot.jre.full.win32.x86_64_17.0.4.v20220805-1047\jre\bin\javaw.exe (13-Oct-2022, 9:04:07 pm) [pid: 3216]
[INFO] --- maven-jar-plugin:3.2.2:jar (default-jar) @ project ---
[INFO] Building jar: C:\javademo\Capstone-file\project\target\project-0.0.1-SNAPSHOT.jar
[INFO] --- spring-boot-maven-plugin:2.7.4:repackage (repackage) @ project ---
[INFO] Replacing main artifact with repackaged archive
[INFO] --- maven-install-plugin:2.5.2:install (default-install) @ project ---
[INFO] Installing C:\javademo\Capstone-file\project\target\project-0.0.1-SNAPSHOT.jar to C:\Users\yashuath\.m2\repository\com\example\project\0.0.1-SNAPSHOT
[INFO] Installing C:\javademo\Capstone-file\project\pom.xml to C:\Users\yashuath\.m2\repository\com\example\project\0.0.1-SNAPSHOT\project-0.0.1-SNAPSHOT.pom
[INFO] BUILD SUCCESS
[INFO] -----
[INFO] Total time: 17.000 s
[INFO] Finished at: 2022-10-13T21:04:26+05:30
[INFO] -----
[WARNING] The requested profile "pom.xml" could not be activated because it does not exist.
```

# Now Create an EC2 Instance With User Data In it.

The screenshot displays the AWS Management Console's 'Launch an instance' wizard. The interface is divided into several sections:

- Name and tags:** A text input field contains 'CapstoneDemo'.
- Application and OS Images (Amazon Machine Image):** A search bar is present, and a list of AMIs is shown. The selected AMI is 'Amazon Linux 2 Kernel 5.10 AMI' (ami-026b57f3c383c2eec).
- Summary:** This section on the right provides a overview of the configuration:
  - Number of instances: 1
  - Software image (AMI): Amazon Linux 2 Kernel 5.10 AMI...read more
  - Virtual server type (instance type): t2.micro
  - Firewall (security group): New security group
  - Storage (volumes): 1 volume(s) - 8 GiB

The 'Launch instance' button is highlighted in orange at the bottom right of the summary section.

us-east-1.console.aws.amazon.com/ec2/home?region=us-east-1#LaunchInstances:

aws Services Search for services, features, blogs, docs, and more [Alt+S]

Key pair (login) info

Key pair name - required

Network settings info

Network info

Subnet info

Assign public IP info

Firewall (security groups) info

### Create key pair

Key pairs allow you to connect to your instance securely.

Enter the name of the key pair below. When prompted, store the private key in a secure and accessible location on your computer. **You will need it later to connect to your instance.** [Learn more](#)

Key pair name

NewKeyPair

The name can include up to 255 ASCII characters. It can't include leading or trailing spaces.

Key pair type

☒ RSA

RSA encrypted private and public key pair

☐ ED25519

ED25519 encrypted private and public key pair (Not supported for Windows instances)

Private key file format

☒ .pem

For use with OpenSSH

☐ .ppk

For use with PuTTY

Launch instance

Feedback Looking for language selection? Find it in the new Unified Settings.

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FrontEnd-Aadhar.rar 1.6/64.4 MB, Paused

modi.jpg

us-east-1.console.aws.amazon.com/ec2/home?region=us-east-1#Instances:

aws Services Search for services, features, blogs, docs, and more [Alt+S]

New EC2 Experience Tell us what you think

EC2 Dashboard

EC2 Global View

Events

Tags

Limits

Instances

Instances New

Instance Types

Launch Templates

Spot Requests

Savings Plans

Reserved Instances New

Dedicated Hosts

Scheduled Instances

Capacity Reservations

Images

AMIs New

### Instances (1/1) Info

Find instance by attribute or tag (case-sensitive)

Name	Instance ID	Instance state	Instance type	Status check	Alarm status	Availability Zone	Public IPv4 D
CapstoneDemo	i-03be299ce3b7cf5a	Running	t2.micro	2/2 checks passed	No alarms	us-east-1a	ec2-18-204-16

#### Instance: i-03be299ce3b7cf5a (CapstoneDemo)

Details Security Networking Storage Status checks Monitoring Tags

Instance summary info

Instance ID

i-03be299ce3b7cf5a (CapstoneDemo)

IPv6 address

Public IPv4 address copied

18.204.18.30 | open address

Instance state

Running

Private IPv4 addresses

172.31.90.152

Public IPv4 DNS

ec2-18-204-18-30.compute-1.amazonaws.com | open address

Private IP DNS name (IPv4 only)

Feedback Looking for language selection? Find it in the new Unified Settings.

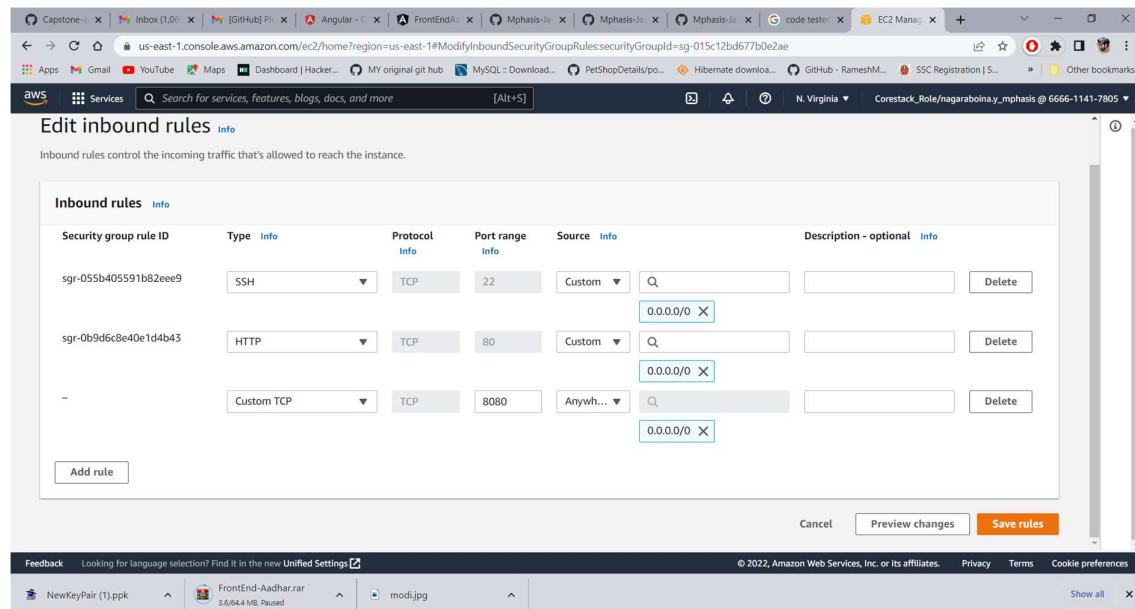
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NewKeyPair (1).ppk

FrontEnd-Aadhar.rar 3.6/64.4 MB, Paused

modi.jpg

# Add The Port -8080 to Security Groups.



## Create A New Role for the EC2 instance.

- Created a role to read S3 Objects.

**Introducing the new IAM roles experience**  
We've redesigned the IAM roles experience to make it easier to use. Let us know what you think.

**IAM > Roles > Create role**

**Step 1**  
Select trusted entity

**Step 2**  
Add permissions

**Step 3**  
Name, review, and create

## Select trusted entity [Info](#)

**Trusted entity type**

☒ **AWS service**  
Allow AWS services like EC2, Lambda, or others to perform actions in this account.

☐ **AWS account**  
Allow entities in other AWS accounts belonging to you or a 3rd party to perform actions in this account.

☐ **Web identity**  
Allows users federated by the specified external web identity provider to assume this role to perform actions in this account.

☐ **SAML 2.0 federation**  
Allow users federated with SAML 2.0 from a corporate directory to perform actions in this account.

☐ **Custom trust policy**  
Create a custom trust policy to enable others to perform actions in this account.

**Use case**  
Allow an AWS service like EC2, Lambda, or others to perform actions in this account.

**Common use cases**

☒ **EC2**

**IAM > Roles > Create role**

**Step 1**  
Select trusted entity

**Step 2**  
Add permissions

**Step 3**  
Name, review, and create

## Add permissions [Info](#)

**Permissions policies (Selected 1/770) [Info](#)**  
Choose one or more policies to attach to your new role.

Filter policies by property or policy name and press enter. 1 match

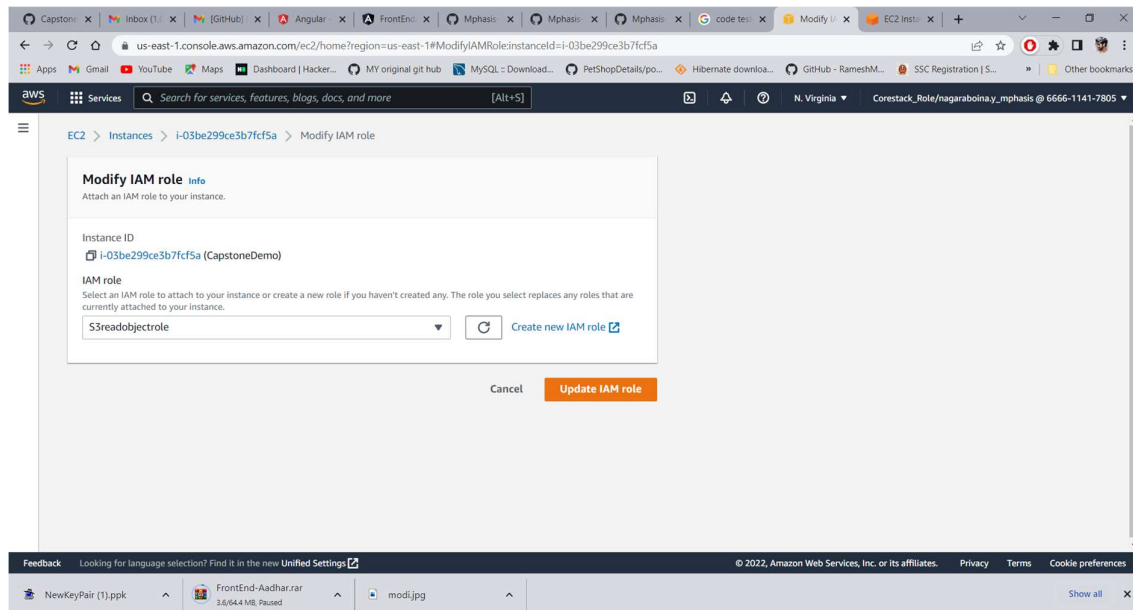
s3read X Clear filters

<input checked="" type="checkbox"/>	Policy name <a href="#">?</a>	Type	Description
<input checked="" type="checkbox"/>	AmazonS3ReadOnl...	AWS m...	Provides read only access to all buckets via the AWS Management Console.

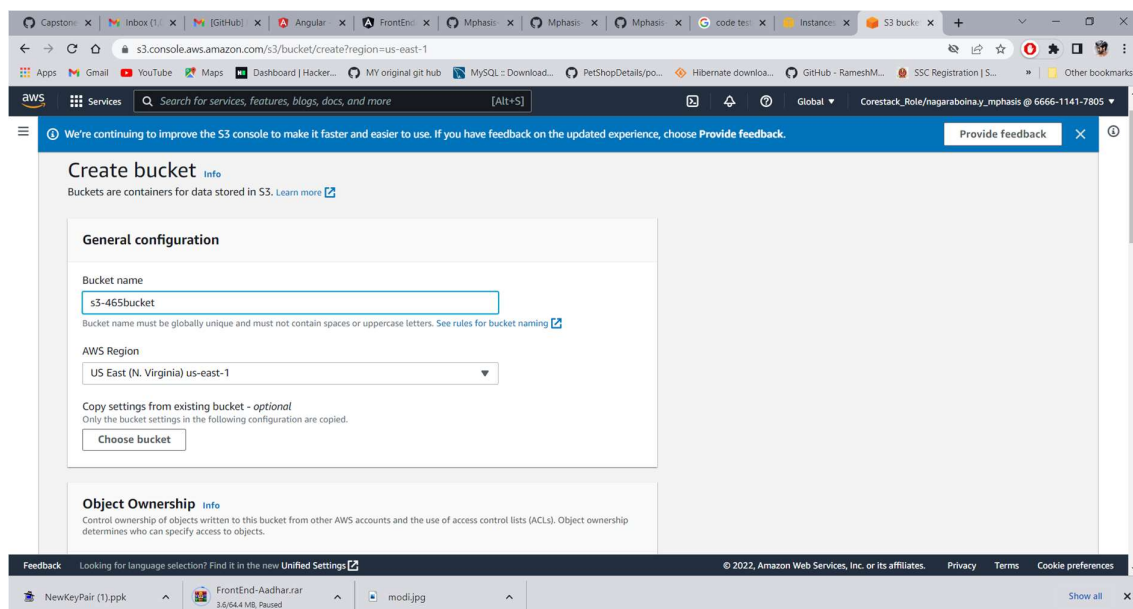
**Set permissions boundary - optional [Info](#)**  
Set a permissions boundary to control the maximum permissions this role can have. This is not a common setting, but you can use it to delegate permission management to others.

Cancel Previous Next

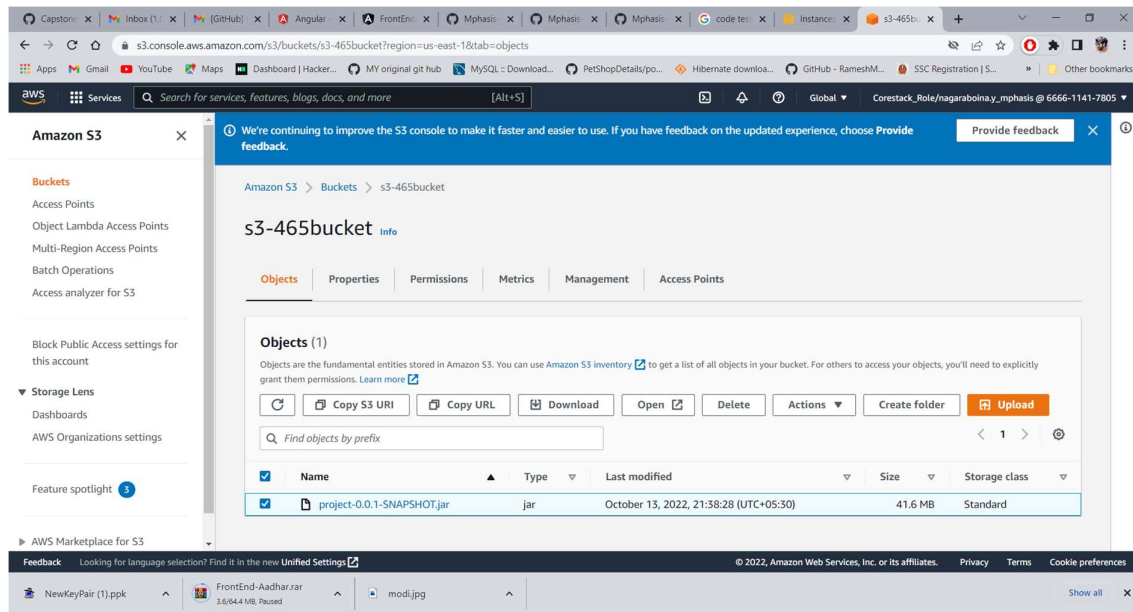
Now add the Role To the instance.



Create a S3 Bucket and add the SNAPSHOT.jar into the Bucket.







Now Run the jar File from Bucket through EC2.

```
aws
Services Search for services, features, blogs, docs, and more [Alt+S] N. Virginia Corestack_Role/nagaraboinay_mphasis @ 6666-1141-7805

Invalid choice: 'configure', maybe you meant:

* configure
[ec2-user@ip-172-31-90-152 ~]$ aws configure list
Name Value Type Location
-----
profile <not set> None None
access_key *****l73T iam-role
secret_key *****XZxe iam-role
region <not set> None None

[ec2-user@ip-172-31-90-152 ~]$ aws s3 cp s3://s3-465bucket/project-0.0.1-SNAPSHOT.jar .
Note: AWS CLI version 2, the latest major version of the AWS CLI, is now stable and recommended for general use. For more information, see the AWS CLI version 2 installation instructions at: https://docs.aws.amazon.com/cli/latest/userguide/install-cliv2.html

Usage: aws [options] <command> [<subcommand> [<subcommand> ...] [parameters]]
To see help text, you can run:
aws help
aws <command> help
aws <command> <subcommand> help
aws: error: too few arguments
[ec2-user@ip-172-31-90-152 ~]$ aws s3 cp s3://s3-465bucket/project-0.0.1-SNAPSHOT.jar app.jar
download: s3://s3-465bucket/project-0.0.1-SNAPSHOT.jar to ./app.jar
[ec2-user@ip-172-31-90-152 ~]$
```

```
Feedback Looking for language selection? Find it in the new Unified Settings. © 2022, Amazon Web Services, Inc. or its affiliates. Privacy Terms Cookie preferences

NewKeyPair (1).ppk FrontEnd-Aadhar.rar 3.6/644 MB Paused mod.jpg Show all

aws
Services Search for services, features, blogs, docs, and more [Alt+S] N. Virginia Corestack_Role/nagaraboinay_mphasis @ 6666-1141-7805

aws <command> help
aws <command> <subcommand> help
aws: error: too few arguments
[ec2-user@ip-172-31-90-152 ~]$ aws s3 cp s3://s3-465bucket/project-0.0.1-SNAPSHOT.jar app.jar
download: s3://s3-465bucket/project-0.0.1-SNAPSHOT.jar to ./app.jar
[ec2-user@ip-172-31-90-152 ~]$ java -jar app.jar

:: Spring Boot :: (v2.7.4)

2022-10-13 16:54:58.502 INFO 6727 --- [           main] com.project.ProjectApplication : Starting ProjectApplication v0.0.1-SNAPSHOT using Java 17.0.4.1 on ip-17-
2-31-90-152.ec2.internal with PID 6727 (/home/ec2-user/app.jar started by ec2-user in /home/ec2-user)
2022-10-13 16:54:58.510 INFO 6727 --- [           main] com.project.ProjectApplication : No active profile set, falling back to 1 default profile: "default"
2022-10-13 16:55:05.747 INFO 6727 --- [           main] o.h.jpa.internal.util.LogHelper : HHH000204: Processing PersistenceUnitInfo [name: default]
2022-10-13 16:55:05.886 INFO 6727 --- [           main] org.hibernate.Version : HHH0000412: Hibernate ORM core version 5.6.11.Final
2022-10-13 16:55:06.285 INFO 6727 --- [           main] o.h.annotations.common.Version : HCANN000001: Hibernate Commons Annotations [5.1.2.Final]
2022-10-13 16:55:06.585 INFO 6727 --- [           main] com.zaxxer.hikari.HikariDataSource : HikariPool-1 - Starting...
2022-10-13 16:55:07.841 ERROR 6727 --- [           main] com.zaxxer.hikari.pool.HikariPool : HikariPool-1 - Exception during pool initialization.
```

- Configuring CI/CD through Jenkins

The image shows a screenshot of a web browser displaying the Jenkins 'Getting Started' page. The page title is 'Unlock Jenkins'. It states: 'To ensure Jenkins is securely set up by the administrator, a password has been written to the log (not sure where to find it?) and this file on the server: /var/lib/jenkins/secrets/initialAdminPassword'. Below this, it says 'Please copy the password from either location and paste it below.' There is a text input field labeled 'Administrator password' and a 'Continue' button.

Below the Jenkins page, the browser shows a terminal window with the following content:

```
at java.base/java.lang.reflect.Constructor.newInstance(Constructor.java:480) ~[na:na]
at com.mysql.cj.exceptions.ExceptionFactory.createException(ExceptionFactory.java:61) ~[mysql-connector-java-8.0.30.jar!/:8.0.30]
at com.mysql.cj.exceptions.ExceptionFactory.createException(ExceptionFactory.java:105) ~[mysql-connector-java-8.0.30.jar!/:8.0.30]
at com.mysql.cj.exceptions.ExceptionFactory.createException(ExceptionFactory.java:151) ~[mysql-connector-java-8.0.30.jar!/:8.0.30]
at com.mysql.cj.exceptions.ExceptionFactory.createCommunicationsException(ExceptionFactory.java:167) ~[mysql-connector-java-8.0.30.jar!/:8.0.30]
at com.mysql.cj.protocol.a.NativeSocketConnection.connect(NativeSocketConnection.java:89) ~[mysql-connector-java-8.0.30.jar!/:8.0.30]
at com.mysql.cj.NativeSession.connect(NativeSession.java:120) ~[mysql-connector-java-8.0.30.jar!/:8.0.30]
at com.mysql.cj.jdbc.ConnectionImpl.connectOneTryOnly(ConnectionImpl.java:948) ~[mysql-connector-java-8.0.30.jar!/:8.0.30]
at com.mysql.cj.jdbc.ConnectionImpl.createNewIO(ConnectionImpl.java:818) ~[mysql-connector-java-8.0.30.jar!/:8.0.30]
... 57 common frames omitted
Caused by: java.net.ConnectException: Connection refused
at java.base/sun.nio.ch.Net.pollConnect(Native Method) ~[na:na]
at java.base/sun.nio.ch.Net.pollConnectNow(Net.java:672) ~[na:na]
at java.base/sun.nio.ch.NioSocketImpl.timedFinishConnect(NioSocketImpl.java:542) ~[na:na]
at java.base/sun.nio.ch.NioSocketImpl.connect(NioSocketImpl.java:597) ~[na:na]
at java.base/java.net.Socket$SocketImpl.connect(Socket$SocketImpl.java:327) ~[na:na]
at java.base/java.net.Socket.connect(Socket.java:633) ~[na:na]
at com.mysql.cj.protocol.StandardSocketFactory.connect(StandardSocketFactory.java:153) ~[mysql-connector-java-8.0.30.jar!/:8.0.30]
at com.mysql.cj.protocol.a.NativeSocketConnection.connect(NativeSocketConnection.java:63) ~[mysql-connector-java-8.0.30.jar!/:8.0.30]
... 60 common frames omitted

[ec2-user@ip-172-31-90-152 ~]$ sudo cat /var/lib/jenkins/secrets/initialAdminPassword
6d2b7b90b646a8be2b91ef5970d32
[ec2-user@ip-172-31-90-152 ~]$
```

Below the terminal output, there is a box for the instance profile:

```
i-03be299ce3b7fcd5a (CapstoneDemo)
PublicIPs: 18.204.18.30 PrivateIPs: 172.31.90.152
```

The bottom of the screenshot shows the AWS console footer with 'Feedback', 'Looking for language selection? Find it in the new Unified Settings.', '© 2022, Amazon Web Services, Inc. or its affiliates.', 'Privacy', 'Terms', and 'Cookie preferences'.

Getting Started

# Unlock Jenkins

To ensure Jenkins is securely set up by the administrator, a password has been written to the log (not sure where to find it?) and this file on the server:

```
/var/lib/jenkins/secrets/initialAdminPassword
```

Please copy the password from either location and paste it below.

**Administrator password**

Continue

Getting Started

# Getting Started

✓ Folders	✓ OWASP Markup Formatter	Build Timeout	Credentials Binding	Folders <ul style="list-style-type: none"><li>** JavaBeans Activation Framework (JAF) API</li><li>** JavaMail API</li><li>**ouncycastle API</li><li>** Instance Identity</li><li>** Mina SSHD API :: Common</li><li>** Mina SSHD API :: Core</li><li>** SSH server</li></ul>
⚙️ Timestampers	⚙️ Workspace Cleanup	⚙️ Ant	⚙️ Gradle	OWASP Markup Formatter <ul style="list-style-type: none"><li>** Structs</li><li>** Token Macro</li></ul>
⚙️ Pipeline	⚙️ GitHub Branch Source	⚙️ Pipeline: GitHub Groovy Libraries	⚙️ Pipeline: Stage View	
⚙️ Git	⚙️ SSH Build Agents	⚙️ Matrix Authorization Strategy	⚙️ PAM Authentication	
⚙️ LDAP	⚙️ Email Extension	⚙️ Mailer		

Jenkins 2.361.2

Getting Started

## Create First Admin User

Username:

Password:

Confirm password:

Full name:

E-mail address:


Jenkins 2.361.2


[Skip and continue as admin](#) [Save and Continue](#)


Dashboard > All >


### Enter an item name

\* Required field

 **Freestyle project**  
This is the central feature of Jenkins. Jenkins will build your project, combining any SCM with any build system, and this can be even used for something other than software build.

 **Pipeline**  
Orchestrates long-running activities that can span multiple build agents. Suitable for building pipelines (formerly known as workflows) and/or organizing complex activities that do not easily fit in free-style job type.

 **Multi-configuration project**  
Suitable for projects that need a large number of different configurations, such as testing on multiple environments, platform-specific builds, etc.

 **Folder**  
Creates a container that stores nested items in it. Useful for grouping things together. Unlike view, which is just a filter, a folder creates a

[OK](#)

## Configuration

## General

Enabled

General

Advanced Project Options

Pipeline

### Description

pipeline project

[Plain text] [Preview](#)

- ☐ Discard old builds ?
- ☐ Do not allow concurrent builds
- ☐ Do not allow the pipeline to resume if the controller restarts

☒ GitHub project

Project uri ?

Save

Apply

## Configuration

General

Advanced Project Options

Pipeline

Pipeline script from SCM

### SCM ?

Git

### Repositories ?

#### Repository URL ?

https://github.com/YashwanthNagaraboina465/Capstone-aadhar.git

#### Credentials ?

- none -

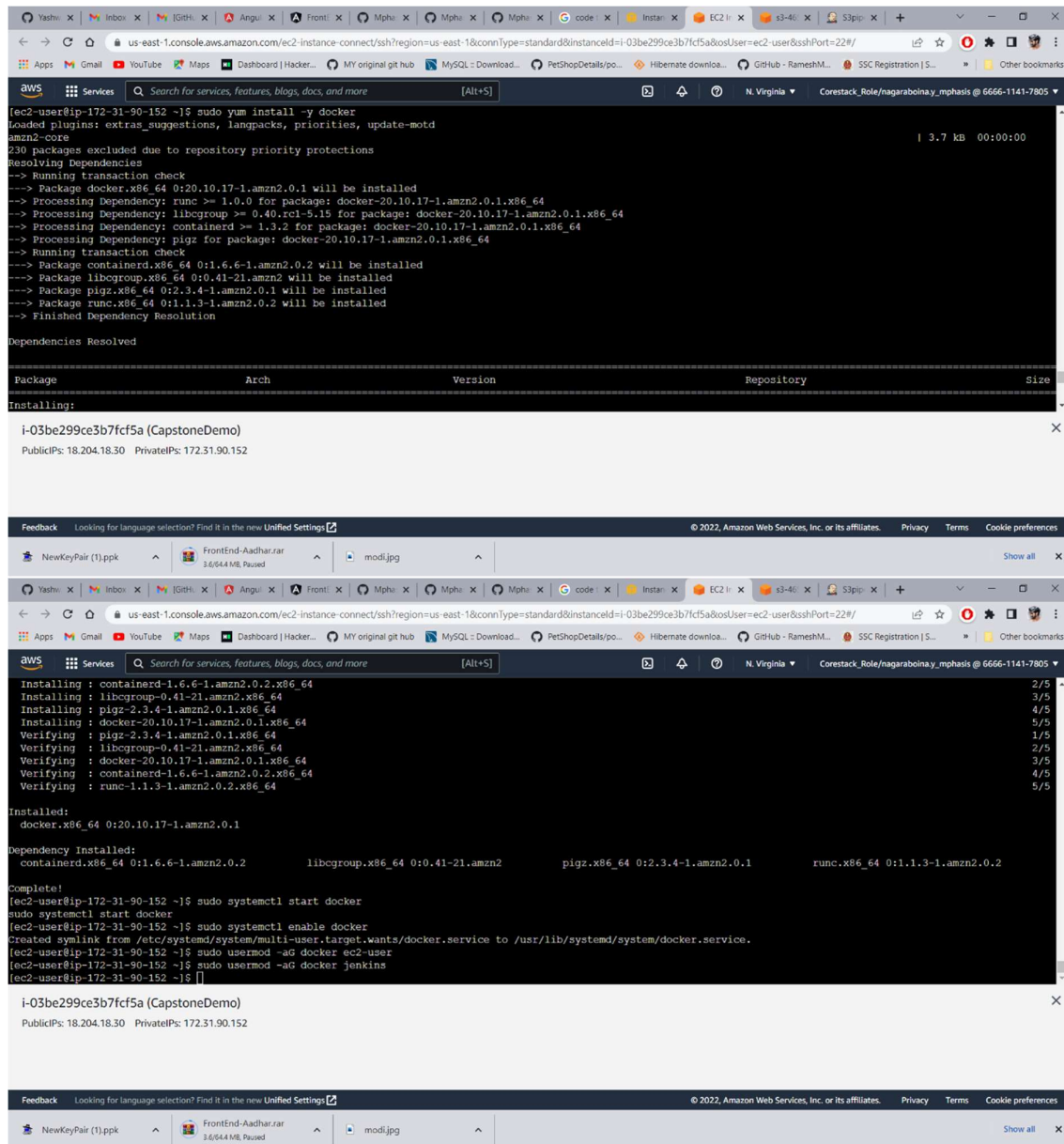
+ Add

Advanced...

Save

Apply

- Installing & Adding Docker



- Source code is added in another pdf
- My git:

<https://github.com/YashwanthNagaraboina465/Capstone-aadhar.git>