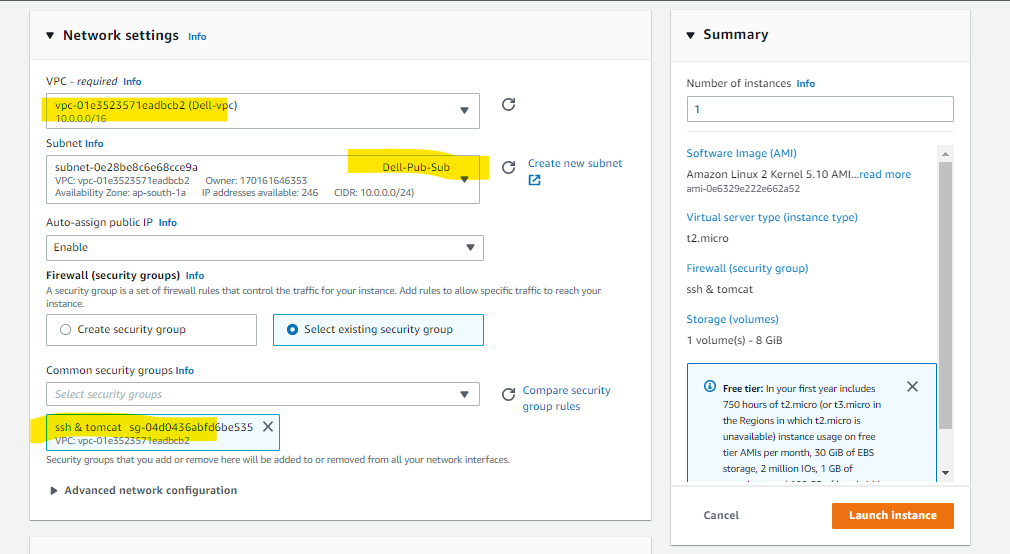
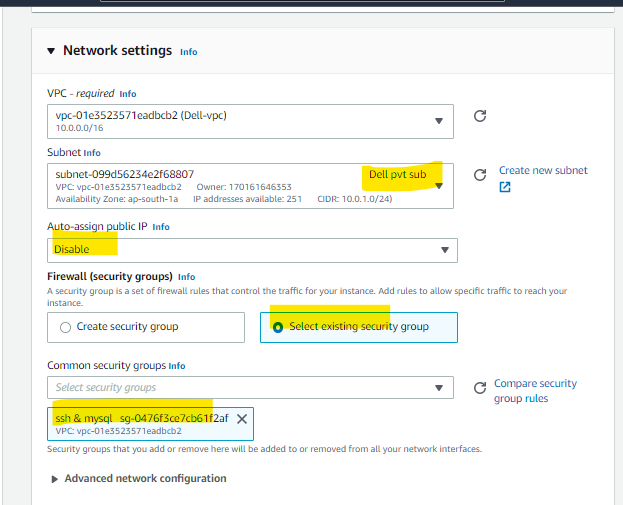
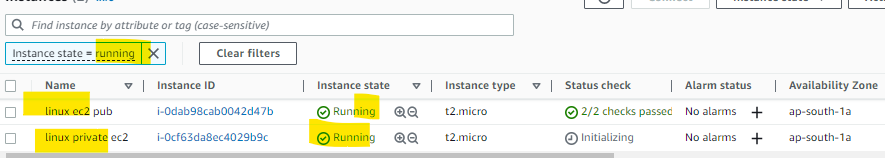


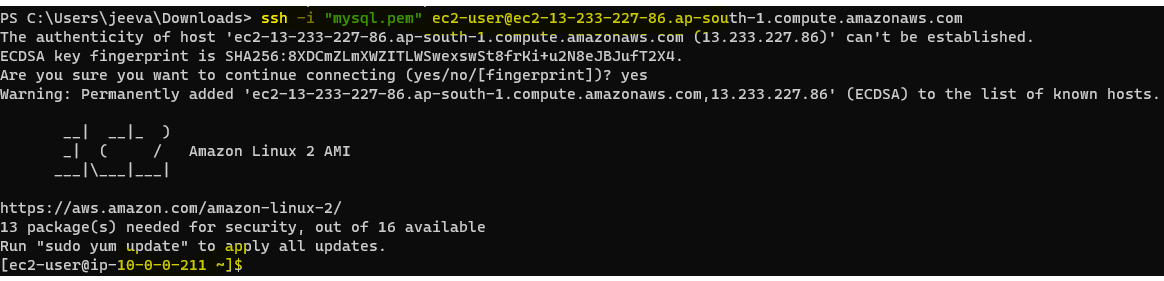
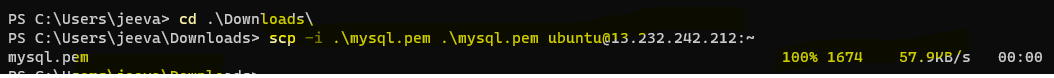
* Select public subnet and select sg- ssh & tomcat(8080). For private ec 2 select sg- ssh&mysql(3306)

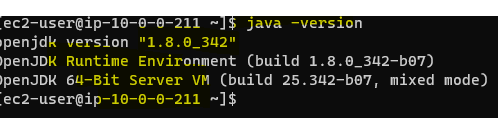
* Connect public instances to terminal app



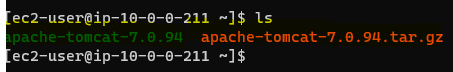
* After connect public ec2 in Terminal and new tab , secure pem file from physical machine to local public ec2 (bastion host) .
* Commad is scp -I ……..pem …….pem ec2-user@public ip address:~

* Install java
* sudo yum -y install java-1.8.0 java-1.8.0-devel
* after installation check version ( java -version)



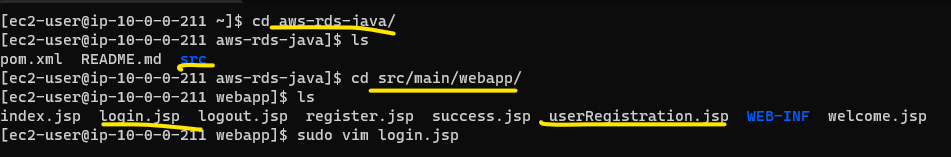
* Download Tomcat Binary in /home directory from bowser
* Command is wget<https://archive.apache.org/dist/tomcat/tomcat-7/v7.0.94/bin/apache-tomcat-7.0.94.tar.gz>
* Extract tar file command is **tar xvf apache-tomcat-7.0.94.tar.gz**

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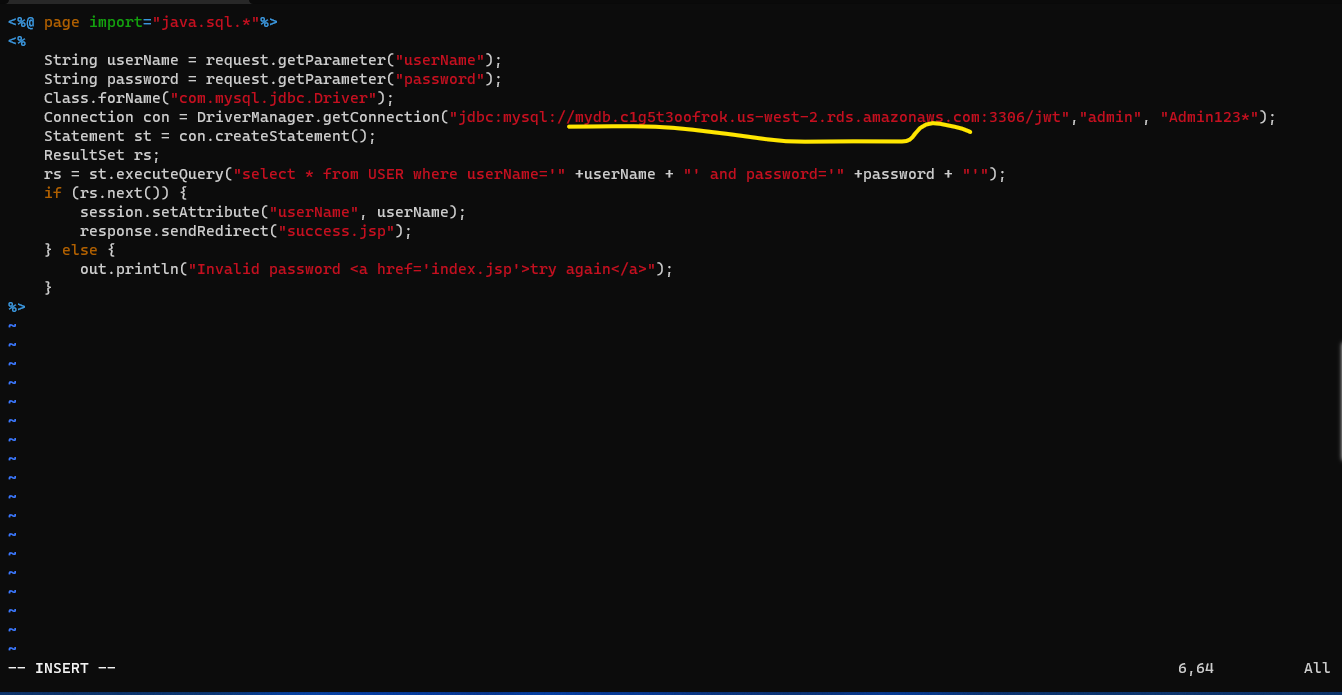
* Now Install git and clone java code
* Sudo yum install git -y
* git clone <https://github.com/Ashoksana/aws-rds-java.git>
* By using java code is cloned

****

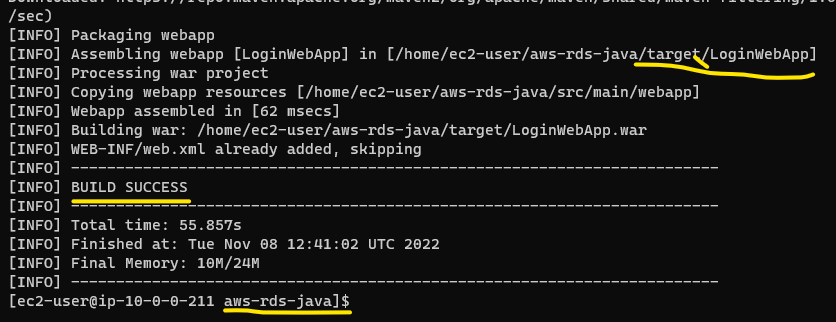
* Open cd aws-rds-java
* Then cd src/main/webapp/
* Edit file sudo vim sudo login.jsp and userRegistration.jsp

****

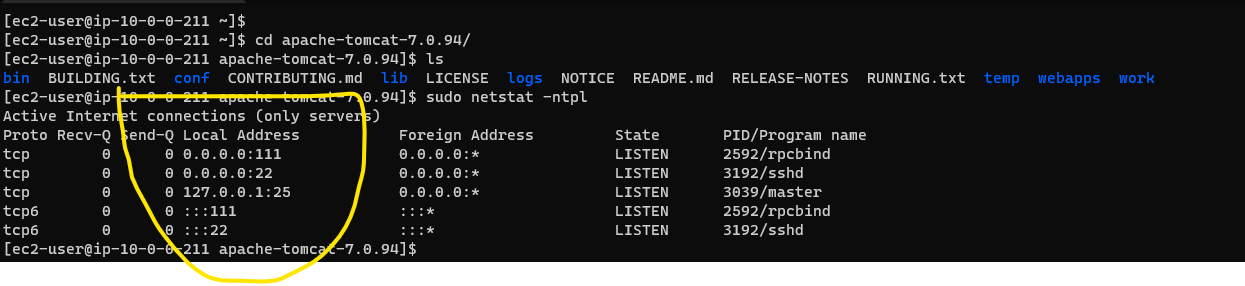
* Edit 6th line in both login.jsp & userRegestration.jsp and paste **RDS endpoint**
* After go back to home directory cd ~

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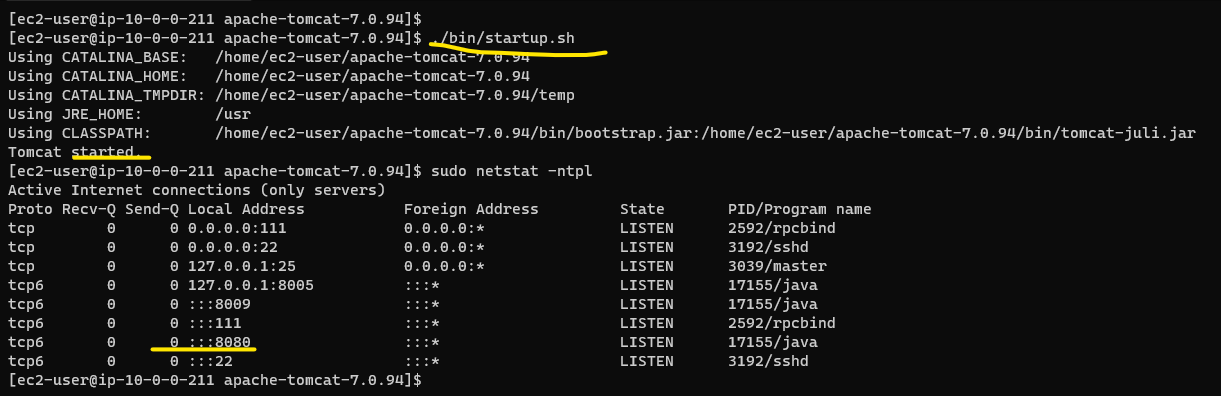
* Open cd aws-rds-java directory.
* Install maven sudo yum -y install maven
* Run maven package
* After mvn package installed in aws-rds-java directory . You will find **Target dir & loginwebapp file.**
* This Loginwepp file cp and paste in tomcat apache file.

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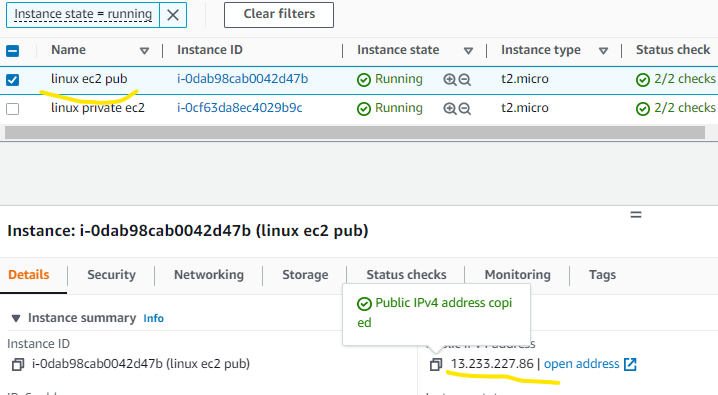
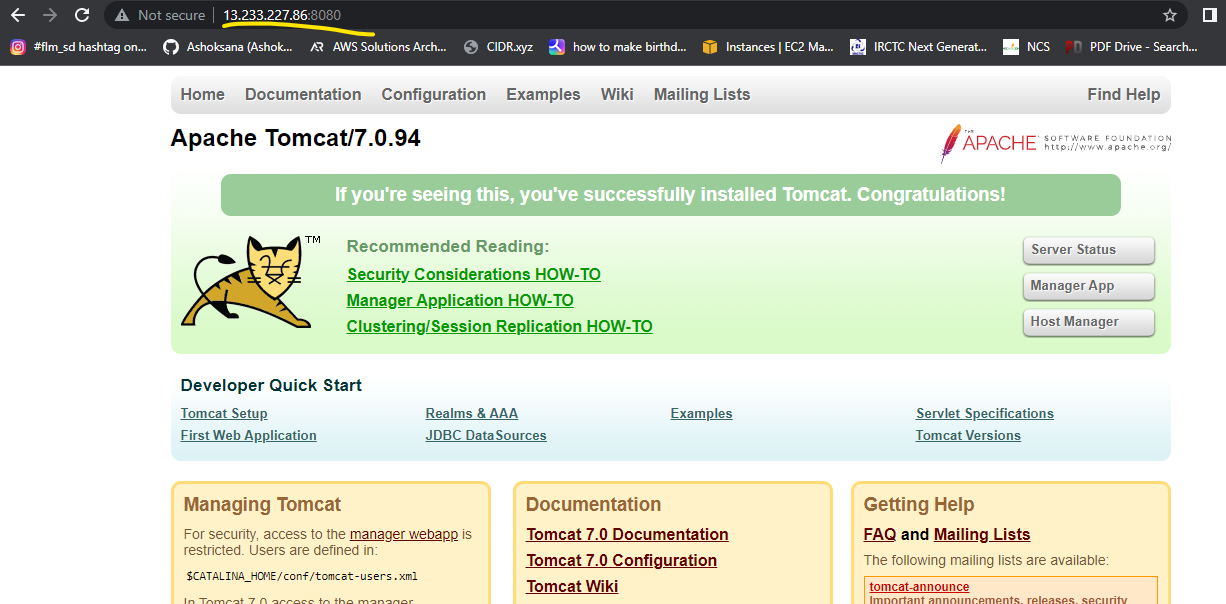
* Before copying file, check the port 8080 is run or not.
* Sudo netstat -ntpl.

****

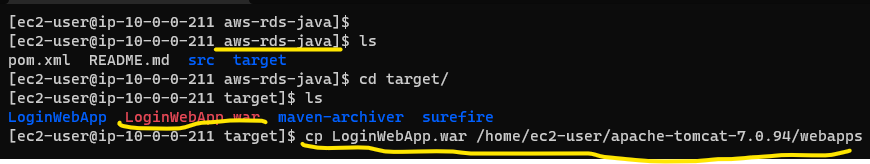
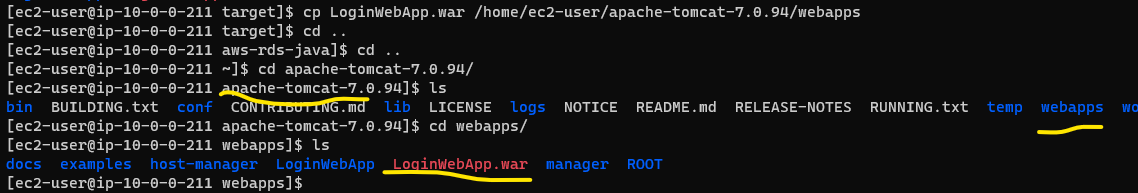
* See above pic there is no port 8080.
* For this You have startup the tomcat apache webserver.
* **cd apache-tomcat-7.0.94/**
* **./bin/startup.sh**

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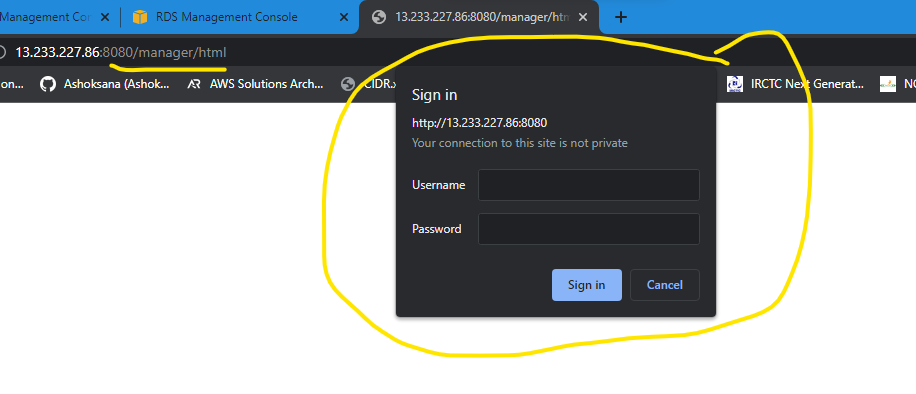
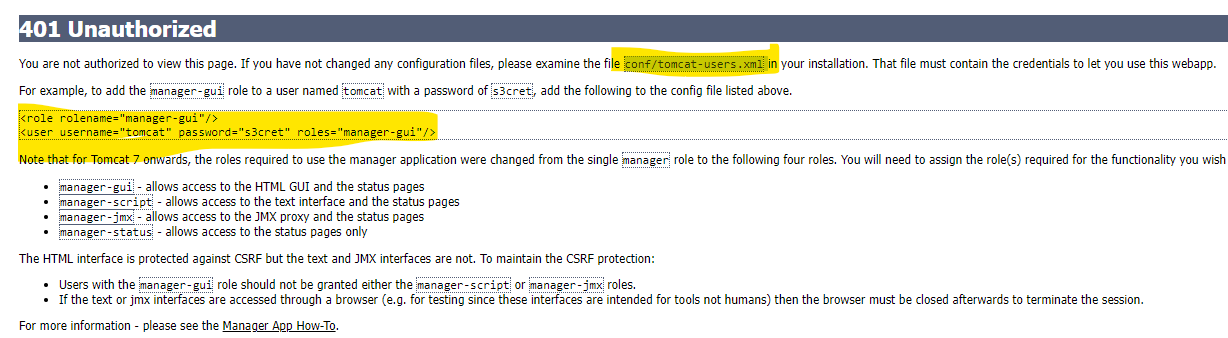
* Copy Public ec2 ip address and paste it browser.
* Ip:8080

* In aws-rds-java/target/
* Copy war file paste it in apache-tomcat/webapps/

* Now reload apache-tomcat file. And click the right side manger app.
* You see sign option and press cancel.
* Then after get 401 error page. Go back to terminal and open **cd apache-tomcat-7.0.94/**
* Edit **sudo vim conf/tomcat-users.xml**
* Then after press Shift+g,

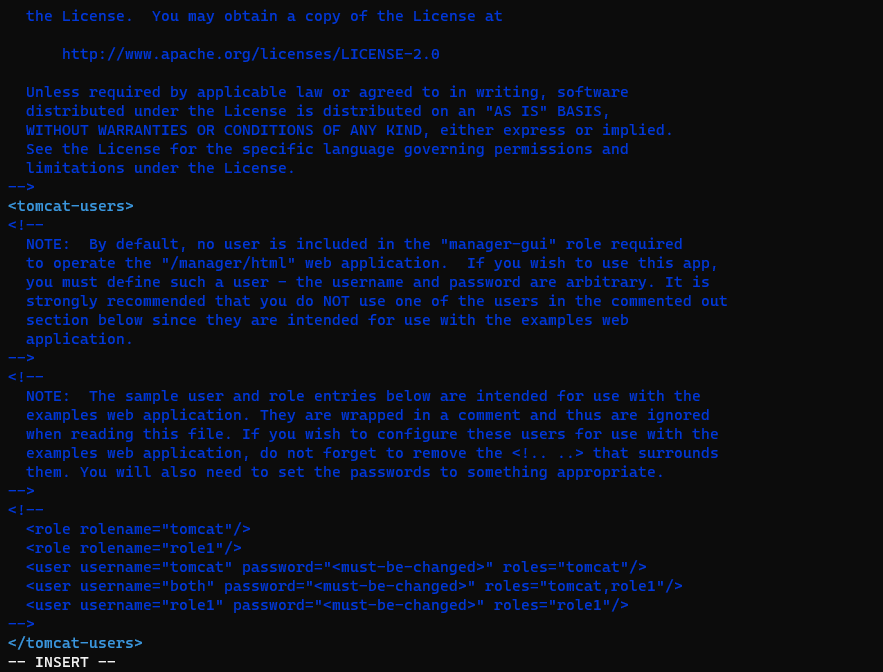
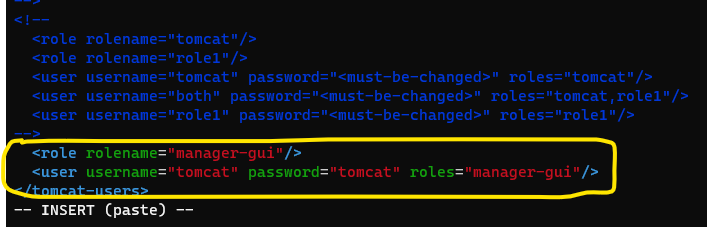
 



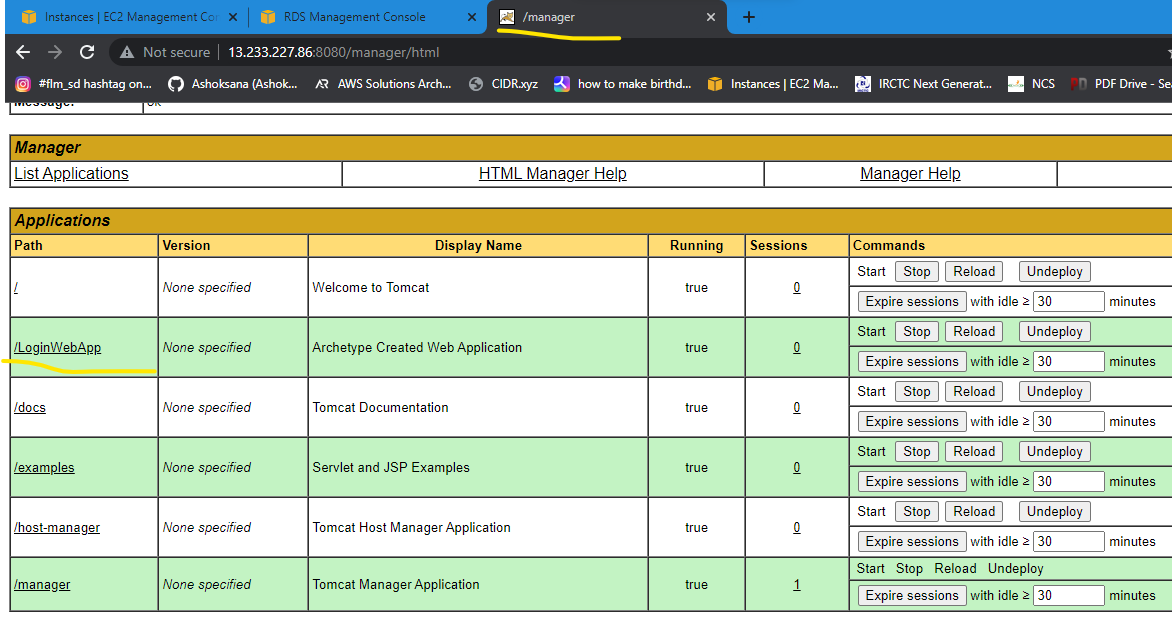
* After press Shift+g. you get like this interface.
* Above <tomcat user> paste this <role rolename="manager-gui"/>

<user username="tomcat" password="tomcat" roles="manager-gui"/>

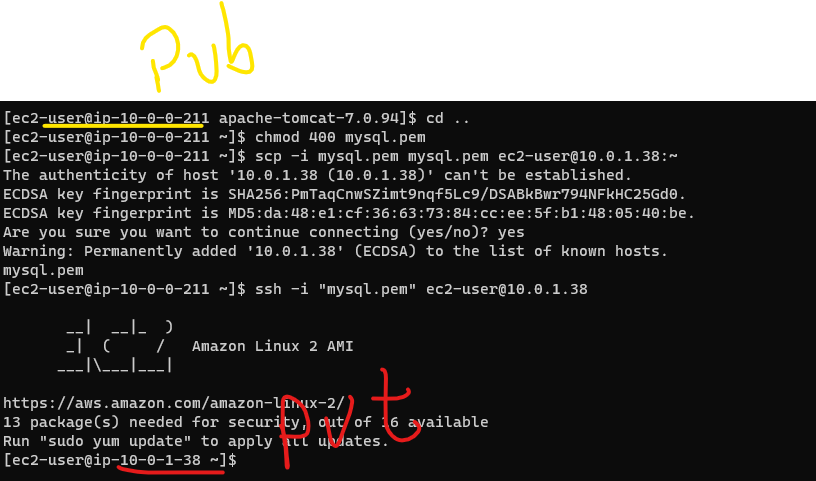
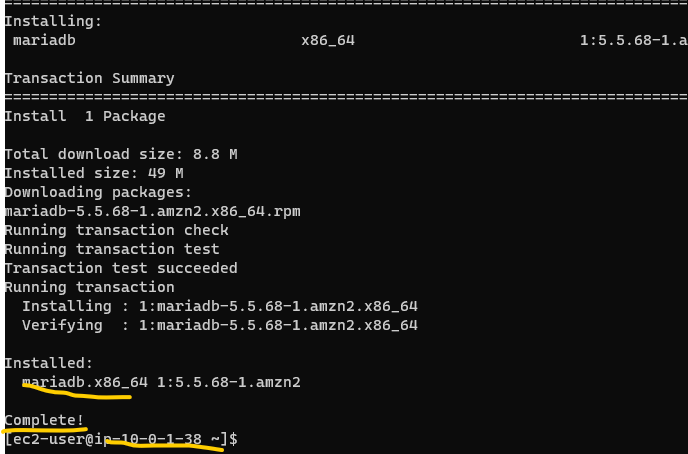
* Then save and exit :wq

* After that shutdown tomcat server and again startup server
* **cd apache-tomcat-7.0.94/**
* ./bin/shutdown.sh
* ./bin/startup.sh
* Reload the tomcat server
* Click manager app, user “tomcat” password “tomcat”
* After this type web page will come. And login option also will seen.



* **In pub ec 2 instances securely copy pem file and paste it in private instance**
* **Before that chmod 400 …..pem file**
* **Then scp -i …..pem ……pem ec2-user-pvtip:~ (Bastion host)**
* **Now connect pvt ec2 instances in pub ec2 instances.**
* Install mysql client in pvt ec2 instance.
* sudo yum -y install mysql

* And connect the data base of RDS .
* Command is mysql -h DB endpoint address -u admin (user) -p and press enter
* And create db in name of ‘jwt’ (create datebase jwt;)
* Create tables in jwt data base.
* Select database (use jwt;)
* CREATE TABLE `USER` (

`id` int(10) unsigned NOT NULL auto\_increment,

`first\_name` varchar(45) NOT NULL,

`last\_name` varchar(45) NOT NULL,

`email` varchar(45) NOT NULL,

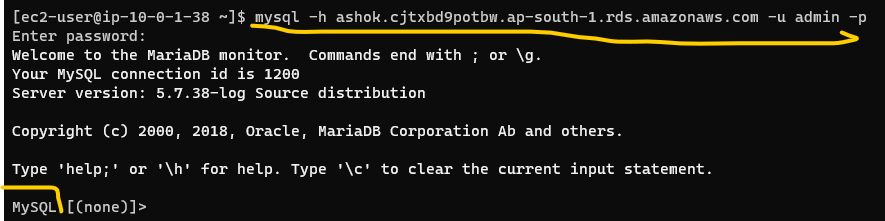
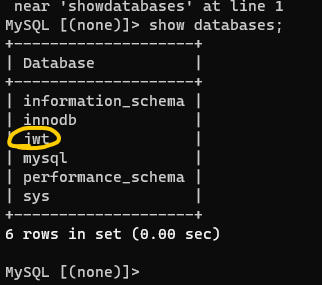
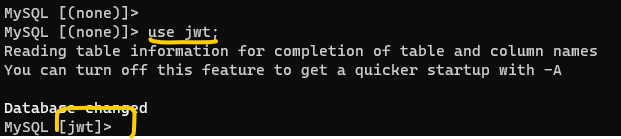
`username` varchar(45) NOT NULL,

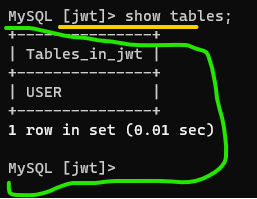
`password` varchar(45) NOT NULL,

`regdate` date NOT NULL,

PRIMARY KEY (`id`)

) ENGINE = InnoDB DEFAULT CHARSET = latin1;



* Now go back to tomcat web page and click loginwepp.
* Then register in that page.
* 1st name; Ashok; last name: Sana; email: [sanaashokreddy1997@gmail.com](mailto:sanaashokreddy1997@gmail.com); User name: Reddy; password: reddy123
* And click submit.
* And go back to tables of db jwt and show tables above date is seen in our tables.

