**Steps :-**

Create 2 instance one for instance tomcat and second for database

**Database server side :-**

1. Launch instance and enable port no 22, 80, 8080, 3306
2. Install mariadb

* Yum install mariadb-server –y
* Systemctl start mariadb
* Systemctl enable mariadb

1. Mysql\_secure\_installation

* Set root password
* Enter by default credentials

1. Mysql –uuname –ppasswd

* Show databases;
* Create database studentapp;
* Use studentapp;
* Past the codes from the file of

(

CREATE TABLE if not exists students(student\_id INT NOT NULL AUTO\_INCREMENT,

student\_name VARCHAR(100) NOT NULL,

student\_addr VARCHAR(100) NOT NULL,

student\_age VARCHAR(3) NOT NULL,

student\_qual VARCHAR(20) NOT NULL,

student\_percent VARCHAR(10) NOT NULL,

student\_year\_passed VARCHAR(10) NOT NULL,

PRIMARY KEY (student\_id)

);

)

* Create user ‘uname’ identified by ‘password’;
* Grant all privileges on \*.\* to ‘uname’;
* Flush privileges;
* Exit

**Tomcat server side :-**

1. Launch instance and enable port no 22, 80, 8080, 3306
2. Yum install java –y
3. Curl –O past the link of tomcat 8 (<https://downloads.apache.org/tomcat/tomcat-8/v8.5.77/bin/apache-tomcat-8.5.77.tar.gz.asc>)
4. Tar –xzf and location of tomcat 8 file
5. Mv apache-tomcat-8.5.77 /opt
6. Cd /opt/apache…../bin
7. ./catalina.sh start
8. Cd ..
9. Copy all drive-download-20210119T031517Z-001 file ( students.war file) in ec2-user
10. Unzip drive-download-20210119T031517Z-001
11. Cd drive-download-20210119T031517Z-001
12. Cd drive-download-20210119T031517Z-001
13. Mv student.war /opt/apache…../webapps
14. Mv connectors.jar /opt/apache……/lib
15. Cd conf
16. Vi context.xml

* In line no 20 (below the <context> ) paste the code of resource name etc

(

<Resource name="jdbc/TestDB" auth="Container" type="javax.sql.DataSource"

maxTotal="100" maxIdle="30" maxWaitMillis="10000"

username="USERNAME" password="PASSWORD" driverClassName="com.mysql.jdbc.Driver"

url="jdbc:mysql://DB-ENDPOINT:3306/DATABASE"/>

)

In above enter the uname and passwd which you have created in database instance for database.

In DB-ENDPOINT replace with the database instance IP

And last give the database name which you have created in database server.

* Save the file
* Cd /opt/apache……./bin
* ./catalina.sh stop/start

1. Now get the ip of tomcat server and enter in google browser with port no :8080/student
2. Put the information it will store in the database server in the database

**Flush privileges this cmd is use to refresh the changes that we have done**