**Java Training**

* Core java Brush Up.
* Tuition Management System -> insert update delete find find all -> students using map.-> implement using mvc -> break files into different layers like service layer dao layer view layer -> Implement dao layer using map -> generic dao layer.
* Tuition Management System -> added new entity teacher-> implement using mysql db -> jdbc->at the same time tuition is implemented in map .-> store mapping of teacher and student database -> two operations added for teacher -> insert student means add mapping and show all students for specific teacher-> use singleton class for connection .
* Tuition Management System -> convert student ‘s dao into mysql db-> implement generic dao according to object query is generate and object store in db -> make singleton class thread safe-> use uuid in place of simple integer id -> use servlet and html -> servlet as a controller and html as a ui (HTML 5 and CSS 3) -> make single generic page for display data according to data table is generated ->and commons html page for insertion . database field name is in the snake case and dto are in the camel case.

**What i have Learned in java training**

* Code reusability using variable never use multiple println if it is repeating the use variable for that string.
* Make use of string.format() for string formatting.
* Make use of string builder or string buffer .
* How to implement generic dao using map and specially using jdbc . I have a generic query dynamically using a map . I used jackson api for dto to map and map to dto conversion.
* Create utility methods for scanning .
* Implement generic to string method using reflection.
* Use a uuid generator .
* Create shell script for project war file deploy automatically in tomcat.

Errors

* Maven is not able to refer external jars

-> added all jars in lib folder and then add this in pom

<dependency>

<groupId>mysql</groupId>

<artifactId>mysql-connector-java</artifactId>

<version>8.0.19</version>

<scope>system</scope>

<systemPath>${basedir}/src/main/webapp/WEB-INF/lib/mysql-connector-java-8.0.19.jar</systemPath>

</dependency>

**POC**

* Prisma.io

<https://drive.google.com/open?id=1E_a2vSPxWSMkI8JMgO_lT8u3CuKyOG8s3AIsnxvYlEY>

* Load Balancer on Lambda.

<https://drive.google.com/open?id=1Zu_E5UEG82BvMaVPKfXdKQr_Wv9LrLNfccHMFrxYhPY>

* App mesh

<https://drive.google.com/open?id=1Vqjz8Wb8BAYyoQBOQlZzDviSKL4npHzTyYwUkZLNKY8>