For this assignment you will be using the Quarkus framework. - https://quarkus.io/

Quarkus is a microservices framework which allow you to build and deploy small web services optimized for Serverless environments.
You can generate starter code for a Quarkus project from https://code.quarkus.io/

This assignment will test your understanding of basic concepts of webservices. Please note that Quarkus has very good but lengthy documentation and most of the things you need will be available in their documentation, just keep scrolling 😊

We will use the following services:
1. MariaDB database – You can either use a docker container or install the database locally. If you have docker install, quarkus can automatically spin up a database for you, without you having to configure everything. Look at quarkus devservices documentation.
2. IntelliJ Community Edition or VSCode – Your IDE
3. Java 17 or Java 21 JDK – You can use amazoncorreto if you are on windows.
4. Postman or Postwoman – To test your REST services. You can also look into smallrye-openapi and its swagger UI if you want.

Task 1

Create a basic Quarkus POST endpoint which takes an input json {"msg": "Hello"} and return the same json.

Task 2

Create a Quarkus POST endpoint which takes the input
{
        "name": "ABC"
}
And save the name along with a unique ID in the database. Check out Quarkus Hibernate ORM.

Task 3

Create a Quarkus GET endpoint which lists all the names in the database.

Submission

Upload your code to a git repository and share the github link.

All the best 😊