**ESG Tech Exercise**

There are three projects – all Maven based and Java 17:

1. Code Kata – string-calc. This can be exercised via tests included in the project e.g. change to the project directory and run Maven command to launch test (mvn clean test)
2. Rest API service – customer-api. This provides the POST and GET service. Tests can be executed as indicated in 1 above. For simplicity, the database used is in-memory and data is lost each time the app is launched.
   1. **Run** mvn package
   2. **Change to target folder in the project folder** – cd customer-api/target
   3. **Run** java -jar .\customer-api-0.0.1-SNAPSHOT.jar
   4. Visit swagger ui at http://localhost:8080/swagger-ui/index.html
3. Rest API client – customer-api-client. The project reads a CSV files from a default location within the project (data), transforms the data and posts it to the API for persisting. The logs in 2 above will show the activities.
   1. **Run** mvn package
   2. **Change to target folder in the project folder** – cd customer-api-client/target
   3. **Copy the data folder to from** data **to** customer-api-client/target
   4. **Run** java -jar .\customer-api-client-0.0.1-SNAPSHOT.jar D:/Development/data/esp/customer.csv **OR**
   5. **Run** java -jar .\customer-api-client-0.0.1-SNAPSHOT.jar to use the data copied in c above

*Since the client depends on the API service, you must first launch project 2 and when it is ready, launch 3.*