Create a test database in MySQL (max 3 tables, no more than 5 colums with different data types - incremental PK Int ID + decimals, boolean, strings, ints, dates, timestamps and etc..).

Setup local Oracle database.

Re-create the same test database in Oracle (same structure, tables, 1 table should have columns with different from source names!). Add columns MigratedTS and LastUpdatedTS of type Timestamp(3) to all the tables.

Generate test data in MySQL (no more than 10 records for table)

Generate the same test data in Oracle, but change some of the values (to have some failing tests)

Create a **DatabaseDriver** class with methods for extracting different types of data from the database.

Check YANK project: https://github.com/knowm/Yank

Create a **DatabaseHelper** interface (getDataByID(), getTableCount() and etc)

Create SQL Queries interfaces - **MysqlQueries** and **OracleQueries**.

Contains Strings with queries for the appropriate DB. Table name will be a parameter

Create two classes - **MysqlDriver** and **OracleDriver** that extend the DatabaseDriver class that implement the DatabaseHelper and the appropriate Query Interface.

Create POJOs (Plain Old Java Object) for the target test tables

Create DAO (Data Access Objects) for the target test tables - constructor accepts Driver of type DatabaseHelper

Create Cucumber tests that verify:

- that all records are migrated (compare data count)

- that 5 random records from the source database have the same values in the target db (extract the 5 entries by ID in two Lists of objects and verify that each pair of objects is the same)