Day 5 Revisit

* Created Bitbucket Repo for Classroom trainings, Conceptual Problem statement, assessment
* Classroom Training – Mono Repo concept (Only one branch with one folder for each participants – No branching strategy.
* Conceptual Problem statement – Used branching strategy (Main, dev branch)
* Learned Team code management.
* Creating Pull request, Adding review comments, accepting or rejecting PR.
* Merging to main/master branch.
* JDBC concepts
* Important classes and interfaces of java.sql package
* Important interfaces are Driver, Connection, Statement/PreparedStatement/CallableStatement/ResultSet
* Important classes DriverManager, Date
* When to use statement and/or preparedstatement
* Types of insert technique in DB table (Partial Insert, Full insert)
* AI – auto Increment in MySQL (It will create a sequence using that it will auto generate the ID column)
* Soft Delete (using a boolean column to update the status of the record/row – isActive) & Hard Delete (Deleting particular row permanently)
* createdAt, lastUpdated (Audit Columns) – Timestamps
* Read Operation (Read All[always returns many records], ReadById [always return single record], Read with Limit – This is suitable and helps to improve performance)
* Modify Operation [Insert, Update, Delete]
* Simple CRUD operation using MySQL DB table.
* Completed Assessment1 and closed all sub task of sprint1.

Agenda

Java 8 Features

* Lambda
* Streams
* Functional Interface
* Optional class