**Advanced Programming**

**Assignment # 1 – JDBC Driver**

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**GitHub Link:** [**https://github.com/shumail92/CS213-Advanced-Programming/tree/master/Assignment-1-JDBC**](https://github.com/shumail92/CS213-Advanced-Programming/tree/master/Assignment-1-JDBC)

**Documentation:**

Type 1 implementation of JDBC Driver. It uses the JDBC-ODBC bridge underlying the JDBC API. ODBC driver for any specific database vendor can be downloaded usually from vendor docs

JDBC (JAVA Database Connectivity) API is an application programming interface in Java to provide user to interact with Database (MySQL) for data manipulation and creation.

In this implementation, as of now, following interfaces of JDBC API are implemented from java.sql package:

• MyJDBCDriver.java

For registration of driver

• MyJDBCConnection.java

For connection with DB

• MyJDBCStatement.java

For executing statements

• MyJDBCResultSet.java

For iterating the result sets

**Testing (JUnit Test Cases)**

The implemented interfaces were tested for correctness by executing diff statements, agains their expected functionality. Test can be found under the com.ap.assignment1.test package; in it, JDBC API was used to create a connection, execute a query, extract results and closing the connection.