CS 301P Database Systems Lab

Database Programming using JDBC

The objective of this lab is to learn how do database programming using JDBC. JDBC is a database programming interface based on Java. Using JDBC, complete applications can be built that will do all the CRUD operations using JDBC.

Tasks to be completed

A) Installation of JDBC driver

JDBC drivers are installed by default when mysql is installed. Ensure the necessary JAR files are available before proceeding. You can look for the necessary jar file (generally named as **mysql-connector-java-XXXX.jar**) in the following path:

/usr/share/java/

The version number expressed as XXXX above dependis upon the version of mysql you have installed. If the JAR file is not present, you will have to download it from the mysql website. (Look for **MySQL Connector/J**).

B) Run the JDBC Demo program

1. Download the JDBCDemo.java and go through the same
2. Make necessary changes to user name and password etc.
3. Compile and run

B) Implement a simple terminal application for Contact maintenance

1. Create **contactdb** database (use the structure used in PDS)
2. Create a simple terminal-based application for invoking CRUD operations on the contact database

Use the following folder structure

Rollno_ContactManager/

        sql/   Contains the SQL scripts for creating and inserting records into contactdb

        src/   Contains a single java file named rollno_contactdb.java

        class/   Contains the class files corresponding to the java files in src/ folder

(Substitute "Rollno" above with your roll number **IN LOWER CASE**)