

CSC 174 Fall 2020
Homework Assignment 4
Total: 100 points

Design a Java Program to practice the use of JDBC to access MySQL database.

The name of your Java file should be lastName_hw4.java. This assignment needs to be based on the database of your Assignment 3. Please make sure the database is created and populated correctly before you test your Java program. Additional records should be added before starting your Java program, for example, insert a course of “Programming Languages”.

In your program, you need to implement the following:

- 1) Display all the students (ssn, student name) who enrolled in the courses of “Programming Languages”.
- 2) Query “TA_course” view (created in homework2) to display all the tuples in that view.
- 3) Call “Course_Instructor” function (created in homework2). Given course name “Programming Languages”, display the instructor name. You need to insert data to the database before you call this function, such that the function can return at least one result.

How to Set Up the Environment

1. Install JDK, then set path and classpath.
2. Download the JDBC driver (JAR file) from Canvas
This version is compatible with the version of MySQL in Athena.
3. Include the downloaded jar file in your classpath
4. An example program has been posted on Canvas. You need to change the values of the databasename, username, and password variables in order to run the program.

Note: You need to use VPN (globalProtect) to connect to Sac State campus network in order to do this assignment.

An alternative way to do this project (without VPN) is to use Putty to access Athena, and then use “Javac” and “Java” commands directly in Athena.

SUBMISSION

Submit the following files.

- 1) Your Java source code with proper comments (LastName_hw4.java).
- 2) Screen shots of the results of running your program. (result.pdf).