Lab 7: Java - MySQL Connection

Team Members:

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Date:

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Subject:

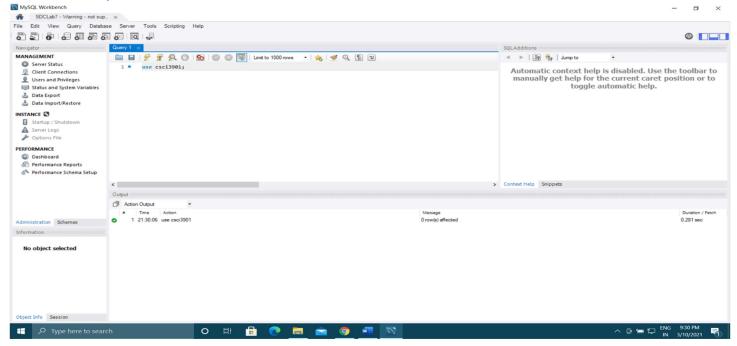
Software Development Concepts

Professor:

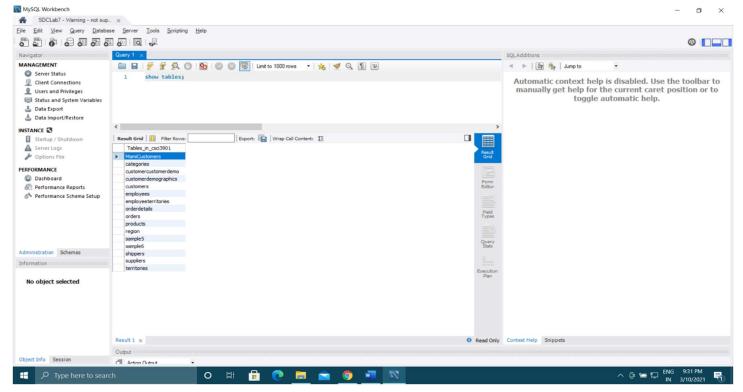
Matthew Amy

Part 1 – Using MySQLWorkbench

Q1.) Open the MySQLWorkbench application. Execute the command use csci3901; in the workbench to access the class database.



Q2.) Use the command show tables; command to identify and report which tables are in the database.



Q3.) Report the outcome of the following SQL Statements:

a) Select * from orders where OrderID = 10260;

OrderID: 10260CustomerID: OTTIKEmployeeID: 4

OrderDate: 1996-07-19RequiredDate: 1996-08-16ShippedDate: 1996-07-29

• ShipVia: 1

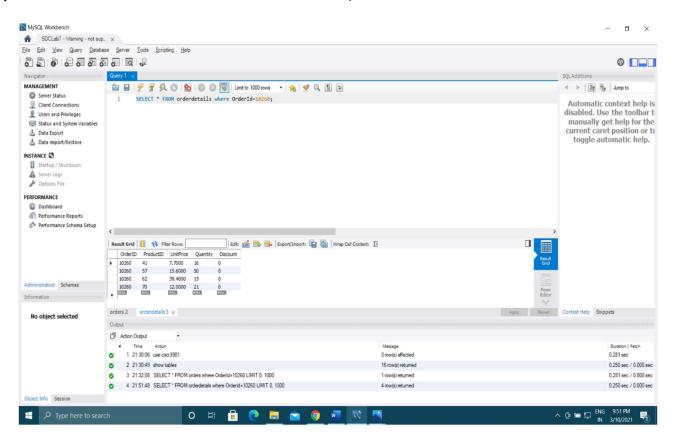
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ShipAddress: Mehrheimerstr. 369

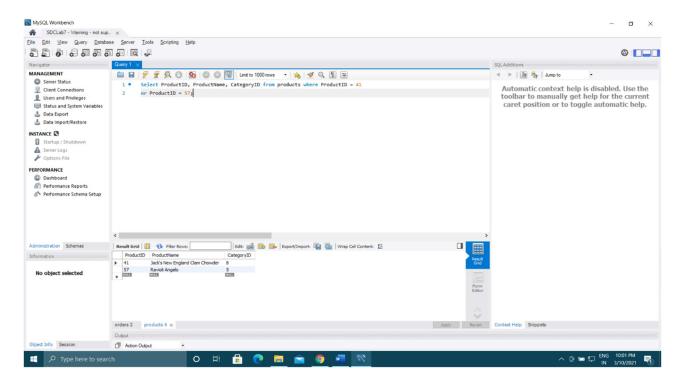
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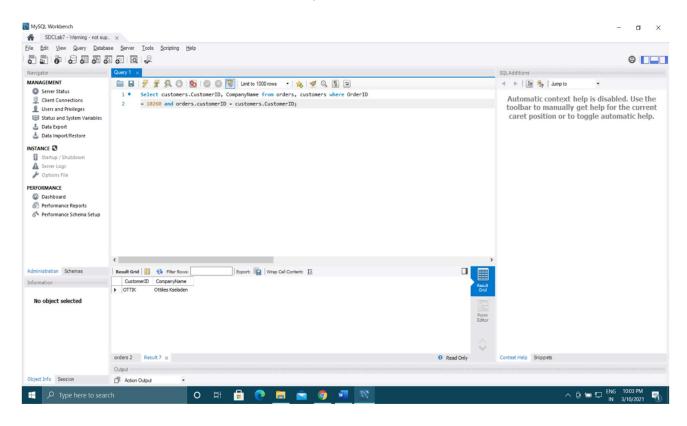
b) Select * from orderdetails where OrderID = 10260;



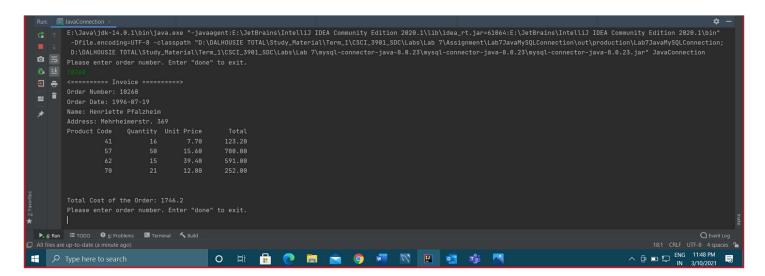
c) Select ProductID, ProductName, CategoryID from products where ProductID = 41 or ProductID = 57;



d) Select customers.CustomerID, CompanyName from orders, customers where OrderID = 10260 and orders.customerID = customers.CustomerID;



Q1.) The output of your program on order 10260 from part 2.



Part 3 – Questions

- Q1.) How could you test the correctness of your program from Part 2?
 - Successfully able to add the mysgl-connector-java-8.0.23.jar dependency in IntelliJ.
 - Successfully able to establish connection with the csci3901 database.
 - Successfully able to accept the orderID from the user.
 - Successfully able to fetch the data from csci3901 database forming the invoice for the user entered orderID.
 - Successfully able to calculate the Total Cost of the orders placed.
 - Verified the output by running the same query on MySQLWorkbench.

