**Name Stephen McGuire**

**CITC 2348 Lab Exercise 3 (25 pts)**

The purpose of this lab is to familiarize yourself with the import function of SQL Server and learn about Denormalization techniques.

Be sure you have downloaded the Java Jitters Excel data zip folder from the Course Content page in D2L and have unzipped it to your H: drive or USB flash drive.

Import all the spreadsheets, that you downloaded through the zip file, into your JJ schema tables.

Your product manager asked you to add a reporting function to your application. The new requirement is to display the total quantity of products sold by each Sales Reps. Show the quantity only per sales rep, no need to show the breakdown per product.

* Write down the query that you would use for the report to satisfy that requirement.



Improve the performance of your database by denormalizing the JJ schema in order to speed up the implementation of the above requirement.

* Write down the query that you would use for the report to satisfy the requirement based on the denormalized schema.



* Create the new denormalized table(s) as new tables, don’t remove the old table(s). Name the new table(s) with the same name as the existing table prefixed by n\_. For example, table1 is the normalized table, the denormalized table will be n\_table2.



Extra Credit

* Populate the new denormalized table(s)

