**Lab 3 - More on T-SQL**

**Content:**

* Learn and practice data manipulation T-SQL commands
* Study and practice Transaction in database

**References**

[1] Lab 3 – Database system (Instruction)

[2] Book: Beginning SQL Server 2012 for Developers

[3] Tutorial: <http://www.tutorialspoint.com/sql>

[4] Transaction in MySQL: https://dev.mysql.com/doc/refman/5.7/en/sql-syntax-transactions.html

[5] <https://sites.google.com/site/nttsteaching/home/database>

**Task 1:** Updating data

Using/restoring the ApressFinancial database created in Lab 2, update the Customers table.

<Follow Part 1 in the instruction of Lab 3 – Database system>

**Task 2:** Transaction

Update the Shares table using transactions.

<Follow Part 2 in the instruction of Lab 3 – Database system>

**Task 3:** Deleting data

Delete the CustTemp table using transactions.

<Follow Part 3 in the instruction of Lab 3 – Database system>

**Task 4:** Truncating and Dropping a Table

Truncate the Customers table.

<Follow Part 4 in the instruction of Lab 3 – Database system>

**Task 5: do the exercise at the end of Lab 3**

Note: If there are some problems with DBMS in your computer, you can:

* Download a miniserver ([MySQL 5.0.67 Portable](https://drive.google.com/file/d/0Bw61jyyOy530TkNncE1fRkVoTGM/view?usp=sharing)) from [4]. Just run the mysql\_start.bat file, type ‘mysql --user=root --password=root’ from the prompt, then you can start a mysql prompt. To stop MSQL, run mysql\_stop.bat.
* Or use <https://www.tutorialspoint.com/execute_sql_online.php>.
* It is noticed that MySQL might be different from MS SQL Server when using some keywords in SQL queries.