**Laboratory Report   
DeVry University  
College of Engineering and Information Sciences**

**Course Number: DBM405A**

**Professor: Lively**

**Laboratory Number:** 2

**Laboratory Title:** SQL Review

**Submittal Date:** 5/12/2015

Note: There is no limit on how much information you will enter under the three topics below. It is important to be clear and complete with your comments. Like a scientist, you are documenting your progress in this week’s lab experiment.

**Objectives:** In your own words, what was this lab designed to accomplish? What was its purpose?

This lab was designed to have us review our previously created database and its associated tables, as well as ensure that all information was assigned correctly. In the lab, we utilized ‘use’, ‘show’, and ‘select’ statements to ensure our tables initialized correctly and were ready for the end part of the lab in which we performed some basic query functions to view particular information about the tables.

**Results:** Discuss the steps you used to complete your lab. Were you successful? What did you learn? What were the results? Explain what you did to accomplish each step. You can include screen shots, code listings, etc. to clearly explain what you did.

Please see the following code with comment annotation for each number/step of the lab to see how each step was successfully achieved:

--1

use baseball

--2

show columns from teams;

--3

select tname, teamcode from teams;

--4

show columns from players;

--5

select \* from players;

--6

select \* from players

where team = '78901';

--7

select team, count(\*) as "# of players" from players group by team;

--8

select pcity as "City", count(\*) as "# of players who live in" from players group by pcity;

--9

select lastname, team

from players

order by team, lastname;

**Conclusions:** After completing this lab, in your own words, what conclusions can you draw from this experience?

This lab, again, was mostly review but did challenge me in determining which columns I specifically needed information from and in order to achieve these queries I needed to critically think about what the query was asking and also for some I needed to be aware of how to properly sort/arrange the results as well. First we had simple select statement with a where clause, then multiple count functions which needed the group by function to be properly displayed, and then ultimately an order by which looks simple in code format but actually took some critical thinking to figure out how to get both the player’s name sorted as well as the teams sorted so we have a logical grouping of players per teams rather than all jumbled. This lab also enabled me to practice some additional SQL commands that allowed me to tidy up query results, such as displaying the returned count columns as a custom named field that was more applicable to the content.

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