**Lab 03 – Writing Basic SQL SELECT Statements Joellyn A Johnson(jajohnson23)**

**DBA 110 – online section Fall 2014**

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1. Initiate a SQL Server session using SQL Server Management Studio using the user ID and password

provided by your instructor. The Authentication method should be via SQL Server Authentication.

User: scott Password: \*\*\*\*\*\*\*\* (I have it set to remember)

[Answer:] done – not sure how to show that, I can’t seem to copy and paste the connection information displayed at the right side of the window

2. SQL Server Management Studio (SSMS) contains the database server engine. (True/False)

[Answer:] False SQL Server Management Studio is an integrated environment for managing your SQL Server infrastructure, it is a client tool for managing the SQL server database.

3. In HR database, will the SELECT statement execute successfully? (True/False). If False, why?

SELECT last\_name, job\_id, salary AS [Employee Salary]

FROM employees;

[Answer:] True , I did successfully execute this query, it displayed 3 columns headings: “last\_name, job\_id, and Employee Salary; with 107 rows of data

4. In HR database, will the SELECT statement execute successfully (True/False). If False, why?

SELECT \*

FROM locations;

[Answer:] True, I also successfully executed this query, which produced 6 columns with 23 rows of data.

5. There are 3 coding mistakes in the following SQL SELECT statement. List them and tell why.

SELECT employee\_id, last\_name

Salary x 12 AS Annual Salary

FROM employees;

[Answer:] a. Used x for times instead of \* (x is not recognized as an operator)

b. needs a comma after last\_name (needed to separate last\_name from salary)

c. Annual Salary should be in “” or [] (to group together to be recognized as a single heading)

This query successfully executes SELECT employee\_id, last\_name,

salary \* 12 AS "Annual Salary"

FROM employees;

6. Write a SQL SELECT statement to display the first name, last name, job, hire date from EMPLOYEES

table. You should get 107 rows/records. The output of the first 10 rows/records should be like the following:

[Answer:] SELECT first\_name, last\_name , job\_id, hire\_date

FROM employees;

7. Create a SQL SELECT statement query to display unique jobs from EMPLOYEES table. You should have

19 rows. The first 10 rows are displayed below.

[Answer:] SELECT DISTINCT job\_id

FROM employees;

8. Write a SQL SELECT query to display the employee first name, last name, and their jobs from

EMPLOYEES table. First name, last name and job should be concatenated. First name and last name

should be separated by a space, then the full name and the job should be separated by a comma and

space. The whole concatenated column should be called Employee and Title.

You should have 107 rows. The following is the first 10 rows.

[Answer:] SELECT first\_name + ' ' + last\_name + ', ' + job\_id

AS [Employee and Title]

FROM employees;