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Unit-3 Module 2

Challenge: SQL Review and Sample Query

**SQL Module 2 Challenge Worksheet**

The Challenge Activity for this module asks you to answer the questions below. Use this space to record your responses. Then save and submit this document to Canvas as instructed in your online classroom.

1. What is a SQL syntax?

One must indicate when the statement is complete and ready for the database to interpret what the data output should look like. SQL is NOT case sensitive, but it is common practice to write commands in upper-case. SQL statements can be written or placed on the same text line or on multiple lines. By combining the correct spacing and breaking up commands into a logical order, it is much easier for you to read and maintain your statements.

1. What is a query box?

The lines in which statements are written and then are able to be run/evaluated/executed.

1. When you have created your query, what do you do next?

Following query creation, the query is evaluated by the DBMS.

1. What is the purpose of SELECT?

The SELECT clause is executed to derive all desired columns and expressions.

1. What is the purpose of the FROM clause?

The FROM clause is executed first to determine the data of interest.

1. When selecting more than one column from a table, what do you need to include?

A comma is needed in order to separate each respective column. If this isn’t done, then the columns will, in effect, merge into a single column.

1. How do you select all records from a table?

Using an asterisk following the select clause, as in

SELECT \*

FROM TableName.

1. What is SFWGHO and what does it stand for?

SELECT FROM WHERE GROUP BY HAVING ORDER BY. The SQL needs to be written in the correct order or the query will not be successful.

Challenge sample query

You have been given access to an employee database to pull data on employee information. The database consists of the following:

Table name - EmployeeData

Columns - ID, FirstName, LastName, Location, TotalCommission, YearsWorked, StillEmployed

Complete the following:

1. You want to select all data from the TotalCommisson column in the EmployeeData table. How would you fill in the query below?

SELECT TotalCommission

FROM EmployeeData

1. You want to select data from the Location column in the Employee Data table. What should your query look like? How would you fill in the query below?

SELECT LOCATION

FROM EmployeeData

1. You want to pull data from TotalCommisson, YearsWorked, and StillEmployed columns. From the Employee Data table. What should your query look like? How would you fill in the query below?

SELECT TotalCommison, YearsWorked, StillEmployed

FROM EmployeeData