# DAD 220 Module Two Activity Template

## Overview

Download this template and rename the file to include your last name. Remove these instructions before submitting the completed document for grading. Replace the bracketed text in this template with your answers and any supporting screenshots. Then submit the completed template for grading and feedback.

Using the tables and SQL statements from the Module Two Activity Guidelines and Rubric, answer the questions below. Replace the bracketed text with your answers and any supporting screenshots.

1. How many records are shown in the Employee table?

There are 5 records in this table.

1. How many attributes are there in the Branches table?

There is 2 attributes in the Branches table.

1. Which attribute could be a primary key for the Employee table?

I personally would use Employee\_ID as the primary key. Given that it is easy for people to have the same name and other attributes.

1. What is the maximum number of decimal places that can be stored in an employee’s Salary field?

The maximum decimal places for the Salary field is 2 because it is the second num ber listed in the table creation for the attribute Salary. The reason why there is no decimals currently is the max number of digits is 7 and all salaries are already 7 digits long.

1. What is the maximum number of decimal places that a Department\_ID can have?

For Department\_ID the max amount of decimal places is 0. This is a trick question cause the SMALLINT data type does not support decimals but instead can go to approx -32000 and approx 32000 in non-decimals.

1. What three rules do tables obey?

The three rules for dta tables are one that no row is duplicated, two that no column name is duplicated and lastly normalization. Normalization meaning that tables are structured in rows and columns and that each row and column relationship has one value.

1. What is the result of the following query?
   1. Select sum(Salary) from Employee where Department\_ID=3;

The result for the previous query would be:170000

Though I believe that would be in a table format with salary as a column header above it.

1. Identify the Employee ID or IDs that would be returned as a result of the following query.
   1. Select \* from Employee where Classification != 'Exempt';
      1. Hint: True Null values will not return in the query

The employee IDs that would be returned from this query would be: 101,104

1. What is the result of the following query?
   1. Select max(Salary) from Employee;

The result for the previous query would be:90000

Though I believe that would be in a table format with salary as a column header above it.