# DAD 220 Module Two Activity

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

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

There are 2 attributes, ‘Department\_ID’ and ‘Department\_Name’

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

‘Employee\_ID’ would be an appropriate primary key

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

The field ‘Salary’ is defined as ‘DECIMAL(7,2), so 2 decimals are allowed.

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

‘Department\_ID’ is defined as a SMALLINT, so 0 decimal places are allowed

1. What three rules do tables obey?
2. Column Names are unique
3. Only 1 data value per cell
4. No duplication of rows
5. What is the result of the following query?
   1. Select sum(Salary) from Employee where Department\_ID=3;

This is an invalid query, SELECT, SUM, FROM, WHERE are not capitalized. Assuming this is fixed and syntax is correct, the query would return a value of ‘170000’

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.

This is an invalid query, SELECT, FROM, WHERE are not capitalized. Assuming this is fixed and syntax is correct, the IDs returned would include ‘101’ and ‘104’

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

This is an invalid query, SLECT, MAX, FROM are not capitalized. Assuming this is fixed and syntax is correct, the query would return a value of ‘90000’