DAD 220 Module Two Activity

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- How many records are shown in the Employee table?

  There are 5 records (rows) shown in the employee table.

- How many attributes are there in the Branches table?

  There are 2 attributes (columns) in the branches table.

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

  An attribute that could be a primary key for the employee table is the employee ID because everyone has their own unique ID.

- What is the maximum number of decimal places that can be stored in an employee's Salary field?

  Given salary DECIMAL(7,2)); there are a maximum of 2 decimal places that can be stored.

- What is the maximum number of decimal places that a Department_ID can have?

  Given department_ID SMALLINT, there can only be small integers and no decimal places.

- What three rules do tables obey?

  The three rules tables must obey are having exactly one value per cell, no duplicate column names and no duplicate rows.

- What is the result of the following query?
  - Select sum(Salary) from Employee where Department_ID=3;

  170,000, found by adding together Mary Williams and Michael Jones salaries.

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

  101 and 104 because 100 and 102 are exempt, and 103 is null.

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

The maximum salary of all employees is 90,000.