Updating Tables and SQL Identification  
DAD 220 Intro to Struct Database

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

* There are 5 records in the Employee Table

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

* There are 2 attributes in the Branches Table which are Department\_ID and Department\_Name.

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

* The primary key for the Employee Table would be Employee\_ID. Since every employee has a different ID, the number would be unique.

1. How many decimal places (maximum) can be stored in an employee’s salary field?

* The Employee Table has a (7,2), which means that they would have 7 significant values and 2 decimals. The maximum number of decimal numbers would be 2.

1. How many decimal places (maximum) can a Department\_ID have?

* The Department\_ID can not have any decimal places since is an integer.

1. What three rules do tables obey?
2. The table is normalized.
3. No duplicate column names.
4. No duplicate rows.
5. Is the Employee table normalized? How do you know?

* Since there is exactly one value in each cell, it’s normalized.

1. What is the result of the following query?

- Select sum(Salary) from Employee where Department\_ID=3;

* The result would be 8000 + 9000 = 170000. The answer is 170000.

1. How many rows are returned because of the following query?

Select \* from Employee where Classification<> 'Exempt';

* The are 5 rows which contain under Clasifficaion, which contain ‘Exempt’(2), ‘Non-Exampt’(2), and ‘NULL’(1). The number of total rows – ‘Exempt’ = 3.

1. What is the result of the following query?

- Select max(Salary) from Employee;

* The max salary in the table would be 9000. Which is from John Smith.