



DAD 220 Module Two Activity Template

Replace the bracketed text in this template with your answers and any supporting screenshots. Then submit it for the Module Two table and SQL identification activity. You'll need to download this template, save it as a unique file, and then submit it for grading. Rename this document to include your last name and remove these instructions before submitting.

Using the tables and SQL statements from the prompt for Module Two Activity, answer the following questions. Replace the bracketed text with your answers and any supporting screenshots.

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

Five records are shown in the employee table.

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

There are two attributes shown in the Branches table.

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

A primary key could be Employee ID.

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

Two decimal places can be stored.

5. How many decimal places (maximum) can a Department_ID have?

No decimal places. Department_ID can only have integers.

6. What three rules do tables obey?

1. There can only be exactly one value per cell. (Winsberg, 2019)
2. There can be no duplicate column names within the same table, but there can be within different tables. (Winsberg, 2019)
3. There can't be duplicate rows in all columns. (Winsberg, 2019)

7. Is the Employee table normalized? How do you know?

Yes, the Employee table is normalized because each cell has exactly one value, and there are no columns or rows that have duplications.

8. What is the result of the following query?

- `Select sum(Salary) from Employee where Department_ID=3;`

The result is 170,000.

9. Identify the Employee ID(s) that would be returned as a result of the following query.

- `Select * from Employee where Classification <> 'Exempt';`

The Employee Id's would be 101, 103, and 104.

10. What is the result of the following query?

- `Select max(Salary) from Employee;`

The max salary is 90,000.

Reference:

Winsberg, Paul. Zybooks, 2019, learn.zybooks.com/zybook/DAD-220-T1008-OL-TRAD-UG.23EW1/chapter/2/section/2.