# DAD 220 Module Two Activity Template

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

Five

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

Two

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

Employee ID

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

Two

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

None, since the Department\_ID data type is an integer.

1. What three rules do tables obey?

A table cannot have multiple values in the same cell. A table cannot have multiple columns with the same name. A table cannot have multiple rows with identical data. (Winsberg, 2022)

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

The Employee table is normalized because it follows the three rules of tables. One value exists in each cell, each column has a unique name that isn’t repeated, and the data in each column consists of the same data type (integer, decimal, character, etc.).

1. What is the result of the following query?

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

170,000

1. How many rows are returned as a result of the following query?

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

Two

1. What is the result of the following query?

- Select max(Salary) from Employee;

90,000

References

Winsberg, P. (2022) “2,” in *Introduction to Structured Database Environments*. Zybooks.