DAD 220 Intro to Struct Database Env

Module Two Lab

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1. **Connect to the database** you created and named in Module One (for example, Jetson).
   1. Type after the prompt mysql>
      1. use (table you named);
      2. Example: mysql> use Jetson;
2. **Create the Employee table** using the SQL statement shown here. Press **Return** after each line.

|  |  |
| --- | --- |
| CREATE TABLE | Employee ( |
| Employee\_ID | SMALLINT, |
| First\_Name | VARCHAR(40), |
| Last\_Name | VARCHAR(60), |
| Department\_ID | SMALLINT, |
| Classification | VARCHAR(10), |
| STATUS | VARCHAR(10), |
| Salary | DECIMAL(7,2)); |

A screenshot of a cell phone

Description automatically generated

1. **Create the Branches table**. Fill in the missing characters or punctuation in the incomplete statement shown below to complete this action.

|  |  |
| --- | --- |
| CREATE | Branches ( |
| Department\_ID | SMALLINT, |
| Department\_Name | ) |

A close up of a sign

Description automatically generated

1. After creating the tables, use the correct commands to **describe them**. You will only be given commands to describe one of the tables and must complete the same action for the second one on your own. Validate your work with a screenshot.
   1. describe Employee;
   2. Write the correct command to describe the Branches table

A screenshot of text

Description automatically generated

1. **Insert the following records into the Employee table**. Each line going from left to right is a record. Each line going from top to bottom is a column. Validate your work with a screenshot.
   1. INSERT INTO Employee VALUES (100, 'John', 'Smith', 1, 'Exempt', 'Full-Time', 90000), (101,'Mary','Jones',2,'Non-Exempt','Part-Time',35000), (102,'Mary','Williams',3,'Exempt','Full-Time',80000);
   2. Type the command select\* from Employee; and take a screenshot of it to validate this step.

A screenshot of a cell phone

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1. **Insert the following records into the Employee table** for Gwen Johnson and Michael Jones by writing the correct SQL commands on your own.
2. Gwen Johnson: Employee ID = 103, DEPARTMENT\_ID = 4, Classification = NULL, Status = Full-Time, SALARY = 40000
3. Michael Jones: Employee ID = 104, DEPARTMENT\_ID = 4, Classification = Non-Exempt, Status = Full-Time, SALARY = 90000
4. Insert your name into the table to verify and prove your work. (Your First and Last Name, or a nickname): Employee ID = 105, DEPARTMENT\_ID = 1, Classification = Non-Exempt, Statues = Full-time, SALARY = (Choose a value between 50000 and 99000)
5. Type the command select\* from Employee; and take a screenshot of it to validate this step.

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1. Insert records for a musician, athlete, or other famous character of your choice. Make sure to enter information for all of the fields listed in this table. The Department\_ID must be a number between one and four.
2. Write the correct command to prove that you’ve successfully completed this step, and validate it with a screenshot.

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1. **Select the fields of last name, first name, and department id from the table**. Validate your work with a screenshot.
   1. Select First\_Name, Last\_Name, Employee\_ID, Department\_ID from Employee;

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