DAD 220

Professor August

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To begin, go to your Codio virtual lab environment and start a new terminal session. Once there, perform the steps below to complete this activity. Manually enter any commands you are asked to write. To validate that these commands work, capture screenshots of the results and place them in a document for submission. Each screenshot should be around one quarter of a page.

1. **Connect to the database**you created and named in Module One (for example, Jetson). Type after the prompt mysql>  
   1. use (table you named);  
      1. Example: mysql> use Jetson;

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1. **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));

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

Department\_ID SMALLINT,

Department\_Name )

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1. After creating the tables, use the correct commands to **describe them**. You’ll 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

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1. **Insert**the following **records into the Employee table (with support)**. 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.

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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 **(without support).**  
   1. Gwen Johnson: Employee ID = 103, DEPARTMENT\_ID = 4, Classification = NULL, Status = Full-Time, SALARY = 40000
   2. Michael Jones: Employee ID = 104, DEPARTMENT\_ID = 4, Classification = Non-Exempt, Status = Full-Time, SALARY = 90000
   3. Insert your name into the table to verify and prove your work.
      1. (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)
   4. Type the command select\* from Employee; and take a screenshot of it to validate this step.
   5. 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 1 and 4.
   6. 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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