Assignment

M2 Your Turn Exercise: 2-1– 2-12

Instructions

This Exercise includes answering questions that may involve screenshots of actions you have performed using the database files from Module 2. There are six files to complete this exercise:

- o M2 - 12 Exercise.docx
- o M2 JCConsulting.accdb
- o M2 JCConsulting.sql
- o M2 JCConsulting.sql.bak
- o M2 MSSQL Server Data_JCConsulting.sql
- o M2 MySQL_JCConsulting.sql

- All tasks will require access files, BUT not all tasks will need the extra files included and attached for each exercise.

- You will have to read the document titled, "M2 Steps for completing Module 2 Exercise 2-1_2-12" for the step-by-step instructions to see what is required and follow the directions to complete exercises 2-1 through 2-12, listed below:

  - o **2-1** Create a query to list the task IDs, categories, and task descriptions in the TaskMasterList table.

  - o **2-2** Find the table in the Database category.

  - o **2-3** Using the TaskMasterList table, list the TaskID, Description, Per, and Estimate fields to select the records with a Per field value of Hour *and* an Estimate field value greater than or equal to 150.

  - o **2-4** Using the TaskMasterList table, list the TaskID, Description, Per, and Estimate fields to select the records with a Per field value of Hour *or* an Estimate field value greater than or equal to 150.

  - o **2-5** Calculate the annual salary for each employee using the Salary field, which contains a monthly value multiplied by 12. Include the employee's last name, title, and annual salary in the results.

  - o **2-6** What is the average salary value for each job title? Also include the total number of employees that share the same title.

  - o **2-7** List the task ID, description, and category ID for each task in the TaskMasterList table. Sort the records in ascending order by description.

  - o **2-8** List each client ID and name, along with their related project IDs and project notes.

- **2-9** Change employee records with the job title of "Project Lender" to "Project Manager."
- **2-10** Delete all ProjectLineItems records for the project with a project ID of 20.
- **2-11** Create a new table containing the client name, as well as the project IDs and project start dates prior to 1/1/2020. Name the table ClientProjectsPriorTo2020.
- **2-12** List all information about ClientID 19 from the Clients table.