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**Final Project – SQL/ETL Class – Spring 2022**

**Parts Warehouse Database**

For my final project, the SQL database is set up to emulate a company that acts as a distribution warehouse and sells engine parts to dealers.

The source data for this will come from four primary data tables from four different departments within the organization. Table 1 (EMPTABLE) will be an employee data file from the Human Resources department that will contain Employee Information; Employee ID, Employee name (last & first), and the employees department. Table 2 (PARTSTABLE) will be a list of parts sold by the company and supplied by the warehouse department. It consists of the part number, part name, and cost per item. Table 3 is the Dealer Table (CUSTOMERTABLE) and is provided by the business development department. It consists of customer account number, company name, company address, company sales representative and company sales rep. employee ID number. Table 4 is the Sales table (SALESTABLE) submitted by the customer service department. It is a list of all sales made and consists of the sales order number, sales date, Employee ID of the customer service rep that took the order, customer account number, part item number, quantity ordered.

These four tables will be used to create tables to be used by the Administration team to run the business. All queries will be based off those tables joined together that is used to monitor the business performance. There will be a Dealer Sales table to show purchases for a selected Dealer. Another Sales table is generated to shows the total overall revenue sales by each dealer. There is also a Parts Inventory table to show how much of each part was sold.

SQL Files:

* CREATE DATABASE – Creates the Database
* CREATE TABLES – Creates the tables for data to be imported into
* DESTROY TABLES STRD PROC– Stored Procedure to DELETE Tables
* Company Orders Table – List Quantity of Parts Ordered by Particular Customer (INSERT) (DELETE)
* PARTSINVENTORYSOLD – List totals of each part sold (SUM Function) (INSERT) (DELETE)
* TOTAL SALES – Lists the total dollar amount sold by part (Multiplication Function) (INSERT) (DELETE)
* UPDATE EMPLOYEE DEPARTMENT ID – UPDATE EMPTABLE to change Employee Department
* VIEW - DEPARTMENT MEMBERS – Creates VIEW to see all members of a selected Department

CSV Files:

* EMPTABLE
* CUSTOMERTABLE
* PARTSTABLE
* SALESTABLE

ETL Files:

* Import CUSTOMERTABLE Data
* Import EMPTABLE data
* Import PARTSTABLE data
* Import SALESTABLE data