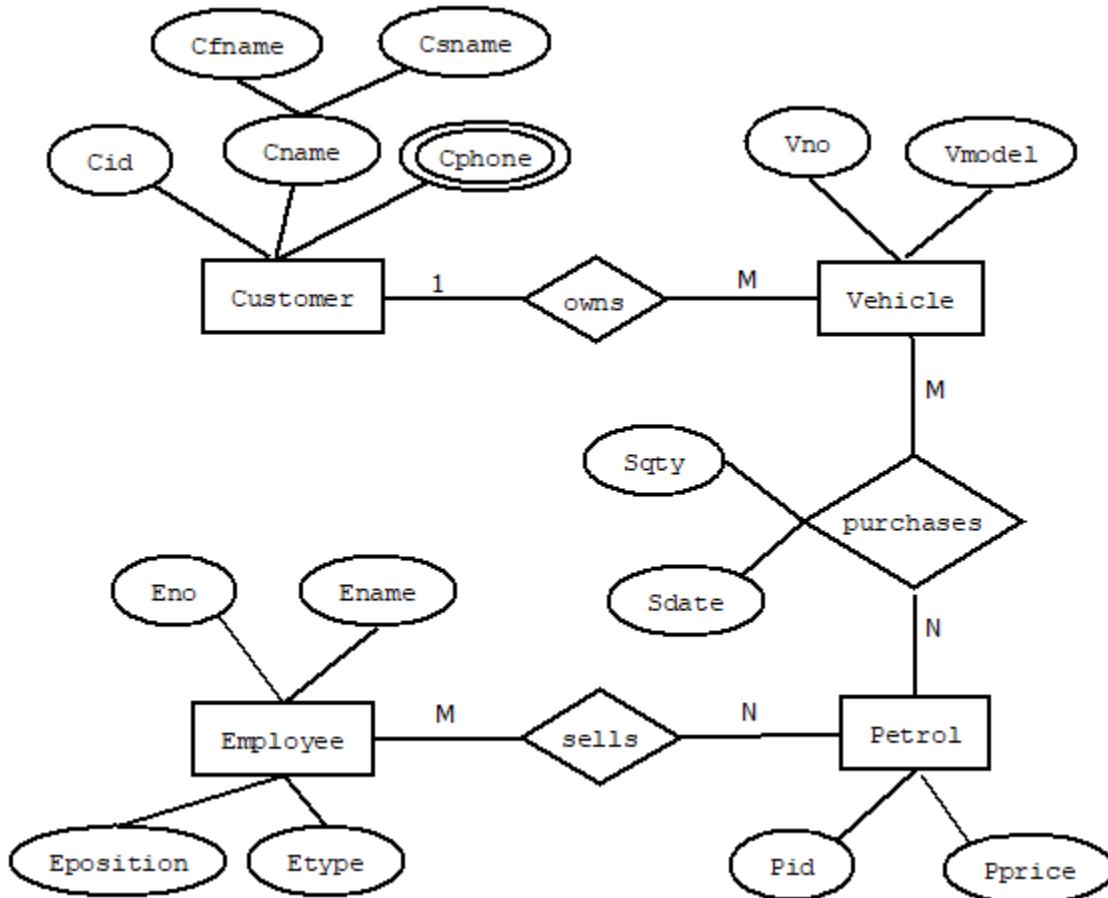


ASSIGNMENT – 05

Instructions: Create a text file and name it with your index number. Save SQL statements and the answers to each of the queries in the text file.



1. Write the SQL statements required to create a database with a name CustomerManagement for the above mentioned ER-diagram
2. Write the SQL statements required to create the relations (tables) in the CUSTOMERMANAGEMENT database based on the provided ER diagram.
Ensure that the tables include appropriate primary keys, foreign keys, and any other necessary constraints.

3. Insert at least 5 suitable data for each tables. Ensure that the data is relevant to the queries provided below.
4. Write SQL queries for each of the following questions:
 - a. Write a query to display the first name (Cfname) and last name (Csname) of all customers from the Customer table.
 - b. Write a query to count the total number of vehicles in the Vehicle table.
 - c. Write a query to display the vehicle model (Vmodel) and customer ID (Cid) from the Vehicle table.
 - d. Write a query to display all details of employees whose position (Eposition) is "Manager" from the Employee table.
 - e. Write a query to calculate the total quantity (Qty) of petrol sold on the date '2023-10-01' from the Purchases table.
 - f. Write a query to display the customer ID (Cid), petrol ID (Pid), and quantity (Qty) from the Purchases and Vehicle tables.
 - g. Write a query to calculate the total revenue by multiplying the quantity (Qty) from the Purchases table with the price (Pprice) from the Petrol table.
 - h. Write a query to display the names (Ename) of employees who have sold petrol, using the Sells and Employee tables.
 - i. Write a query to display the customer IDs (Cid) and names (Cfname, Csname) of customers who do not have any vehicles registered in the Vehicle table.
 - j. Write a query to retrieve the petrol ID (Pid) and price (Pprice) of the most expensive petrol product from the Petrol table, ordered by Pprice in descending order."