

Academic Year – 2022/2023

Use “MySQL Workbench” to perform the following operations.

- You will be provided with a sql script file with the database “classicmodels”.
- After opening the file using MySQL Workbench, run all the queries to get the database with tables and data stored.
- Open a new SQL tab to execute queries by first running the USE statement.

Execute the following queries on the given database.

1. Create a view named ‘USACustomers’ to display details of all the customers who are from the country ‘USA’.
2. Create a view to find orders made by customer named ‘CustomerOrders’ to display the contactName (contactfirstname and contactlastname combined), phone, order date and status from ‘orders’ table.
3. From the view created in question 2,
 - i. Obtain details of all orders which have the status as ‘Cancelled’ or ‘Disputed’
 - ii. Write a SQL query to modify the status of cancelled or disputed orders to ‘Removed’ in the ‘CustomerOrders’ view.
4. Create a view named ‘SalesRepOrders’ to obtain details of order made by Sales Reps with the employee name (firstname and lastname combined), customer name, salesRepEmployeeNumber, the orderDate, and the orderNumber.
5. From the view created in question 4, obtain the number of orders made by each of the Sales Rep with their name of all those who have made more than 20 orders.
6. Create a table named ‘customer_contact’ with the given schema and use a trigger, ‘insert_customer’ to load data to it using ‘customers’ table after a new record is entered into ‘customers’ table. `customer_contact(customerNumber, customerName, phone)`
7. Insert new values to the ‘customers’ tables and show the values getting inserted automatically to ‘customer_contact’ table due to the execution of the trigger created in question 6.
8. Create a trigger, ‘delete_customer’ to delete the values in ‘customer_contact’ table when the inserted values in ‘customers’ table get deleted.
9. Delete the inserted values from the ‘customers’ table and show the values getting deleted automatically from the ‘customer_contact’ table as well due to the execution of the trigger created in question 8.

****For following the given instructions, clarity of the code and giving comments as instructed will be given 10 marks.***