**Mysql practical 4**

* Create a Database called Bank.
* **CREATE DATABASE BANK;**
* Create a table called Customer with the following details in the bank database: cust\_id char(10); cust\_name, char(20); gender enum( ‘male’,’female’) addr variable character (30) phone integer.
* **USE BANK;**
* **CREATE TABLE CUSTOMER**

**(CUST\_ID CHAR(10),**

**CUST\_NAME CHAR(20),**

**GENDER ENUM( ‘MALE’,’FEMALE’),**

**ADDR VARCHAR(30),**

**PHONE INTEGER);**

* Display the structure of the Customer table.
* **DESCRIBE CUSTOMER;**
* Create a table called DEPOSIT with the following details in the bank database: cust\_id, char(10), ac\_no, char(20), d\_o\_d, char(10), amt, smallint, amount, smallint, amt\_d, smallint.
* **USE BANK;**
* **CREATE TABLE DEPOSIT**

**(CUST\_ID CHAR(10),**

**AC\_NO CHAR(20),**

**D\_O\_D CHAR(10),**

**AMT SMALLINT,**

**AMOUNT SMALLINT,**

**AMT\_D SMALLINT);**

* Display the structure of the Deposit table.
* **DESCRIBE DEPOSIT;**
* Add a column pan with type varchar length 10 to the Customer table.
* **ALTER TABLE CUSTOMER**

 **ADD PAN VARCHAR(10);**

* Add a column called income , type decimal , length (8,2) to the Customer table.
* **ALTER TABLE CUSTOMER**

 **ADD INCOME DECIMAL(8,2);**

* Add a column called d\_o\_m , date type to the DEPOSIT table.
* **ALTER TABLE DEPOSIT**

 **ADD D\_O\_M DATE;**

* Delete the column phone from the customer table.
* **ALTER TABLE CUSTOMER**

 **DROP PHONE ;**

* Delete the column addr from the customer table.
* **ALTER TABLE CUSTOMER**

 **DROP ADDR ;**

* Delete the column PAN from the customer table.
* **ALTER TABLE CUSTOMER**

 **DROP PAN ;**

* Delete the column amt from the DEPOSIT table.
* **ALTER TABLE DEPOSIT**

 **DROP AMT ;**

* Delete the column D\_O\_M from the DEPOSIT table.
* **ALTER TABLE DEPOSIT**

 **DROP D\_O\_M ;**

* Change the type of the column CUST\_Name to varchar type length 20 in the Customer table.
* **ALTER TABLE CUSTOMER**

 **MODIFY CUST\_NAME VARCHAR(20) ;**

* Change the type of the column d\_o\_d to DATE in the DEPOSIT table.
* **ALTER TABLE DEPOSIT**

 **MODIFY D\_O\_D DATE ;**

* Delete the column d\_o\_d from the DEPOSIT table.
* **ALTER TABLE DEPOSIT**

 **DROP D\_O\_D ;**

* Change the column name income to salary in the Customer table.
* **ALTER TABLE CUSTOMER**

 **CHANGE INCOME SALARY VARCHAR(10) ;**

* Change the column amt\_d to amount\_due in the DEPOSIT table.
* **ALTER TABLE DEPOSIT**

 **CHANGE AMT\_D AMOUNT\_DUE SMALLINT ;**

* Rename the table customer to customers in the database bank.
* **RENAME TABLE CUSTOMER TO CUSTOMERS;**
* Rename the table deposit to deposits in the database bank.
* **RENAME TABLE DEPOSIT TO DEPOSITS;**
* Populate the Customer table with the following data:
* **INSERT INTO CUSTOMERS VALUES**

**(100, ‘ARUN’, ‘MALE’, 10000),**

**(101, ‘KEVIN’, ‘MALE’, 15000),**

**(102, ‘AMIT’, ‘MALE’, 20000),**

**(103, ‘LUZY’, ‘FEMALE’, 15000),**

**(104, ‘VARUN’, ‘MALE’, 8000),**

**(105, ‘NEVIL’, ‘MALE’, 20000),**

**(106, ‘KARAN’, ‘ MALE’, 18000),**

**(107, ‘ARUNA’, ‘FEMALE’, 20000),**

**(108, ‘LYDIA’, ‘FEMALE’, 10000);**

* Display the records of the Customers table
* **SELECT \* FROM CUSTOMERS;**
* In the Customers table change the salary of Kevin to 20000 .
* **UPDATE CUSTOMERS**

 **SET SALARY= 20000**

 **WHERE CUST\_NAME= ‘KEVIN’ ;**

* In the Customers table change the NAME OF Luzy to Lucy .
* **UPDATE CUSTOMERS**

 **SET CUST\_NAME= ‘LUCY’**

 **WHERE CUST\_NAME= ‘LUZY’ ;**

* Add a row to the the Customer table with the following data:
* **INSERT INTO CUSTOMERS VALUES**

 **(109, ‘KATHY’, ‘FEMALE’, 30000);**

* Remove the row with name Kathy from the Customer table.

 **DELETE FROM CUSTOMERS**

 **WHERE CUST\_NAME= ‘ KATHY’ ;**

* Populate the deposits table with the following data:
* **INSERT INTO DEPOSITS VALUES**

**(100, 500, 8000, 10000),**

**(101, 600, 12000, 15000),**

**(102, 700, 14000, 20000),**

**(103, 800, 12000, 15000),**

**(104, 900, 6000, 8000),**

**(101, 550, 13000, 20000),**

**(103, 650, 15000, 18000),**

**(100, 350, 15000, 20000),**

**(105, 450, 7000, 10000),**

**(106, 750, 9000’, 10000),**

**(107, 850, 11000, 12000)**

**(101, 950, 7000, 10000)**

**(108, 400, 6000, 8000);**

* In the Deposits table change the amount of a/c no 550 to 17000 .
* **UPDATE DEPOSITS**

 **SET AMOUNT= 17000**

 **WHERE AC\_ NO = 550 ;**

* In the Deposits table add Rs.2000 to amount due to all.
* **UPDATE DEPOSITS**

 **SET AMOUNT\_DUE= AMOUNT\_DUE+2000;**

* In the Deposits table deduct Rs. 1000 from amount due to all those whose amount due is above 15000
* **UPDATE DEPOSITS**

 **SET AMOUNT\_DUE= AMOUNT\_DUE-1000**

 **WHERE AMOUNT\_DUE>15000;**

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