PRACTICAL-5

| DA | T | E: | Market |
|----|----|------|--------|
| U | XI | 10.7 | |

AIM: Perform the following:

a. Altering a Table, Dropping/Truncating/Renaming Tables,

b.Backing up / Restoring a Database.

c.Use of grant, revoke.

INPUT:-

| Step-I: (reate (ustomer, Accounts and Transactions table. |
|---|
| 11 Customer Table |
| CREATE TABLE (Ustomer (|
| CUSTOMER ID INT AUTO_INCREMENT PRIMARY KEY. |
| First Name VARCHAR (50) NOT NULL |
| Last Name VARCHAR (50) NOT NULL, |
| Dute of Bioth DATE NOT NULL, |
| Gender (HAR(I), |
| Phone VARCHAR(10) NOT NULL |
| |
| 11 Accounts Table |
| CREATE TABLE Accounts (|
| ACCOUNTED INT AUTO_INCREMENT PRIMARY KEY |
| (ustomer ID INT, |
| AccountType VARCHAR(20) NOT NULL |
| Balance DECIMAL (15,2) NOT NULL, |
| FOREIGN KEY ((ustomerID) REFERENCES |
| (ustomer ((ustomer ID) |
| 11 Transactions Table |
| (REATE TABLE Townsactions (|
| Transaction ID INT AUTO_INCREMENT PRIMARY KEY |
| AccountID INT, |
| Transaction Date DATE NOT NULL, |
| Amount DECIMAL (15,2) NOT NULL, |
| Transaction Type = VARCHAR (20) NOT NULL, |
| FOREIGN KEY (Account 10) REFERENCES ACCOUNTS (AccounT 70) |
|); |

Step-2: Inserting Duta into Tables.

Step-3: Fetch data

11 (ustomer Table

5ELECT * FROM (ustomers;

11 Accounts Table

5ELECT * FROM Accounts;

11 Transactions Table

5ELECT * FROM Transactions;

| 11 (ustomer | s Table | | | | | | |
|-------------|----------------------|---------------------------|----------------------------|-------------------------------|--------------------------------|--|--|
| (ustomer I) | : FirstName! | LastName | DateofB | ioth i Ger | ider i Phone Mumber | | |
| 2 | John Jane | | 1980-01-1 nith 1985-05- | | | | |
| // Accounts | Table | | 3 200 | | | | |
| AccountID | AccountID (ustomerID | | AccountType | | Balance | | |
| 2 2 2 3 | | Savings (hecking thecking | | 5000.00 1500.06 2000.00 | | | |
| 11 Transact | ions Table | Market Market | h o | Agree) | C socons | | |
| Townsaction | To Acount I | Transac | tion Date | Amount | TownsactionType | | |
| 2 3 | 1 2 3 | 2024 | 01-10 | 500.00 | Deposit Withdrawal Deposit | | |

0). Altering, Dropping / Touncating / Renaming Tables :-

i). Altering a Table:

ALTER TABLE (ustomers ADD Address VARCHAR (255);

| (ustomer ID | Fiastname | Lastname | DuteotBirth | Gender | Phone Number | Address |
|-------------|-----------|-----------|-------------|---------|--------------|---------|
| 1 | Tohn | Doe | 1980-01-15 | male | 1234567890 | Null |
| 2 | Jane | ! Smith | 1985-05-23 | Female: | 1234567890 | Null |
| Constant I | 1 | 0.,,,,,,, | 1103 03 23 | | | |

ii). Dropping a Table :-

DROP TABLE Townsactions;

iii). Tourcating a Table:

TRUNCATE TABLE Accounts;

Account ID Customer ID Account Type Balance

iv). Renaming a Tuble:

ALTER TABLE (ustomers ;

- b). Bucking UP | Restoring a Database:
 - is Bucking Up a Database :-

BACKUP DATABASE BanKDB
TO DISK = '(:) backups / BanKDB. bak';

ii). Restore a Database :-

RESTORE DATABASE BanKDB
FROM DIGH = (2) backups 1 BanKDB buk';

C). Use of grant and Revoke :-

i) Grant Priviliges :-

GRANT SFLECT, INSERT, UPDATE ON BanKDB. * To bank_user' @ 'localbost' IDENTIFIED BY 'passwood';

iv. Revoke Priviliges:

REVOKE INSERT, UPDATE ON BanKDB. * FROM 'bank-user'