Practical 9-9. Create the following tables. And Solve following queries by SQL
• Deposit (actno,cname,bname,amount,adate)
• Branch (bname,city)
• Customers (cname, city)
• Borrow(loanno,cname,bname, amount)
Add primary key and foreign key wherever applicable.
Insert data into the above created tables.
1. Display names of depositors having amount greater than 4000.
2. Display account date of customers Anil
3. Display account no. and deposit amount of customers having account opened between dates 1-12-96 and 1-5-97
4. Find the average account balance at the Perryridge branch.
5. Find the names of all branches where the average account balance is more than $1,200.
6. Delete depositors having deposit

```
mysql -u root -p
Enter password: ***************
Welcome to the MySQL monitor.  Commands end with ; or \g.
Your MySQL connection id is 16
Server version: 8.0.39 MySQL Community Server - GPL

Copyright (c) 2000, 2024, Oracle and/or its affiliates.

Oracle is a registered trademark of Oracle Corporation and/or its
affiliates. Other names may be trademarks of their respective
owners.

Type 'help;' or '\h' for help. Type '\c' to clear the current input statement.

mysql> CREATE DATABASE BankDatabase;
Query OK, 1 row affected (0.01 sec)

mysql> USE BankDatabase;
Database changed

mysql> CREATE TABLE Branch (
       bname VARCHAR(50) PRIMARY KEY,
       city VARCHAR(50));
Query OK, 0 rows affected (0.03 sec)

mysql> CREATE TABLE Customers (
         cname VARCHAR(50) PRIMARY KEY,
       city VARCHAR(50)
    );
Query OK, 0 rows affected (0.03 sec)

mysql> CREATE TABLE Deposit (
         actno INT PRIMARY KEY,
         cname VARCHAR(50),
         bname VARCHAR(50),
         amount DECIMAL(10, 2),
         adate DATE,
         FOREIGN KEY (cname) REFERENCES Customers(cname),
         FOREIGN KEY (bname) REFERENCES Branch(bname)
     );
Query OK, 0 rows affected (0.08 sec)
```

```
mysql> CREATE TABLE Borrow (
         loanno INT PRIMARY KEY,
         cname VARCHAR(50),
         bname VARCHAR(50),
         amount DECIMAL(10, 2),
         FOREIGN KEY (cname) REFERENCES Customers(cname),
         FOREIGN KEY (bname) REFERENCES Branch(bname)
     );
Query OK, 0 rows affected (0.06 sec)

mysql> INSERT INTO Branch (bname, city) VALUES
     ('Perryridge', 'San Francisco'),
     ('Downtown', 'New York'),
     ('Northside', 'Chicago');
Query OK, 3 rows affected (0.02 sec)
Records: 3  Duplicates: 0  Warnings: 0

mysql> INSERT INTO Customers (cname, city) VALUES
    ('John', 'San Francisco'),
     ('Anil', 'New York'),
     ('Alice', 'Chicago');
Query OK, 3 rows affected (0.01 sec)
Records: 3  Duplicates: 0  Warnings: 0

mysql> INSERT INTO Deposit (actno, cname, bname, amount, adate) VALUES
     (1001, 'John', 'Perryridge', 5000.00, '1996-01-01'),
     (1002, 'Anil', 'Downtown', 3000.00, '1997-04-01'),
     (1003, 'Alice', 'Northside', 4500.00, '1996-12-15'),
     (1004, 'John', 'Perryridge', 2000.00, '1997-05-10');
Query OK, 4 rows affected (0.01 sec)
Records: 4  Duplicates: 0  Warnings: 0

mysql> INSERT INTO Borrow (loanno, cname, bname, amount) VALUES
     (2001, 'John', 'Perryridge', 10000.00),
     (2002, 'Anil', 'Downtown', 7000.00),
     (2003, 'Alice', 'Northside', 8000.00);
Query OK, 3 rows affected (0.01 sec)
Records: 3  Duplicates: 0  Warnings: 0

mysql> SELECT cname
     FROM Deposit
     WHERE amount > 4000;
+-------+
| cname |
+-------+
| John  |
| Alice |
+-------+
2 rows in set (0.01 sec)

mysql> SELECT adate
     FROM Deposit
     WHERE cname = 'Anil';
+------------+
| adate      |
+------------+
| 1997-04-01 |
+------------+
```

```
1 row in set (0.01 sec)

mysql> SELECT actno, amount
     FROM Deposit
     WHERE adate BETWEEN '1996-12-01' AND '1997-05-01';
+-------+---------+
| actno | amount  |
+-------+---------+
|  1002 | 3000.00 |
|  1003 | 4500.00 |
+-------+---------+
2 rows in set (0.00 sec)

mysql> SELECT AVG(amount) AS average_balance
     FROM Deposit
     WHERE bname = 'Perryridge';
+-----------------+
| average_balance |
+-----------------+
|     3500.000000 |
+-----------------+
1 row in set (0.01 sec)

mysql> SELECT AVG(amount) AS average_balance
     FROM Deposit
     WHERE bname = 'Perryridge';
+-----------------+
| average_balance |
+-----------------+
|     3500.000000 |
+-----------------+
1 row in set (0.00 sec)

mysql> SELECT bname
     FROM Deposit
     GROUP BY bname
     HAVING AVG(amount) > 1200;
+------------+
| bname      |
+------------+
| Downtown   |
| Northside  |
| Perryridge |
+------------+
3 rows in set (0.00 sec)

mysql> DELETE FROM Deposit
     WHERE amount < 5000;
Query OK, 3 rows affected (0.01 sec)

mysql>
mysql> CREATE VIEW DepositView AS
     SELECT actno, cname, bname, amount, adate
     FROM Deposit;
Query OK, 0 rows affected (0.01 sec)
```