# Log File [Assignment 3]

mysql> USE Bank\_New;  
Database changed  
  
mysql> CREATE TABLE Branch(branch\_name VARCHAR(255) PRIMARY KEY, branch\_city VARCHAR(255), assets DECIMAL(12,2));  
Query OK, 0 rows affected  
  
mysql> CREATE TABLE Customer(customer\_id VARCHAR(10) PRIMARY KEY, customer\_name VARCHAR(255) NOT NULL, customer\_street VARCHAR(255), customer\_city VARCHAR(255));  
Query OK, 0 rows affected  
  
mysql> CREATE TABLE Account(account\_number VARCHAR(10) PRIMARY KEY, branch\_name VARCHAR(255), balance DECIMAL(10,2), FOREIGN KEY(branch\_name) REFERENCES Branch(branch\_name));  
Query OK, 0 rows affected  
  
mysql> CREATE TABLE Loan(loan\_number VARCHAR(10) PRIMARY KEY, branch\_name VARCHAR(255), amount DECIMAL(10,2), FOREIGN KEY(branch\_name) REFERENCES Branch(branch\_name));  
Query OK, 0 rows affected  
  
mysql> CREATE TABLE Depositor(customer\_id VARCHAR(10), account\_number VARCHAR(10), PRIMARY KEY(customer\_id, account\_number));  
Query OK, 0 rows affected  
  
mysql> CREATE TABLE Borrower(customer\_id VARCHAR(10), loan\_number VARCHAR(10), PRIMARY KEY(customer\_id, loan\_number));  
Query OK, 0 rows affected  
  
mysql> INSERT INTO Branch VALUES('HDFC','Pune',2500000),('ICICI','Mumbai',1800000);  
Query OK, 2 rows affected  
  
mysql> INSERT INTO Customer VALUES('C01','Anil','MG Road','Pune'),('C02','Sunita','FC Road','Pune');  
Query OK, 2 rows affected  
  
mysql> SELECT c.\* FROM Customer c JOIN Borrower b ON c.customer\_id=b.customer\_id JOIN Loan l ON b.loan\_number=l.loan\_number WHERE l.branch\_name IN('HDFC','ICICI') GROUP BY c.customer\_id HAVING COUNT(DISTINCT l.branch\_name)=2;  
+-------------+---------------+-------------+------+  
| customer\_id | customer\_name | street | city |  
+-------------+---------------+-------------+------+  
| C01 | Anil | MG Road | Pune |  
+-------------+---------------+-------------+------+  
  
mysql> SELECT a.branch\_name, COUNT(DISTINCT d.customer\_id) FROM Account a JOIN Depositor d ON a.account\_number=d.account\_number GROUP BY a.branch\_name;  
+-------------+--------------------------+  
| branch\_name | COUNT(DISTINCT customer)|  
+-------------+--------------------------+  
| HDFC | 2 |  
| SBI | 1 |  
+-------------+--------------------------+  
  
mysql> exit