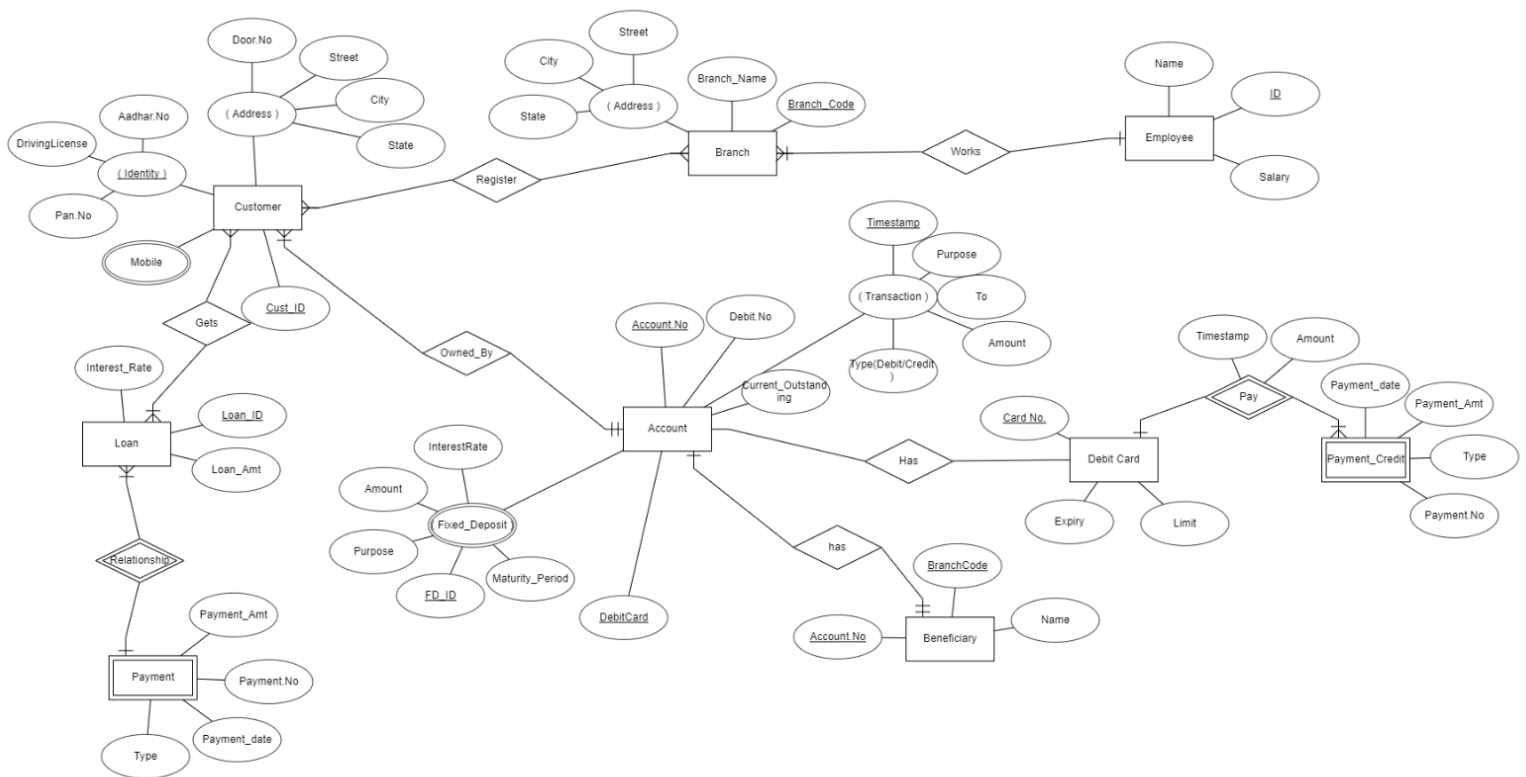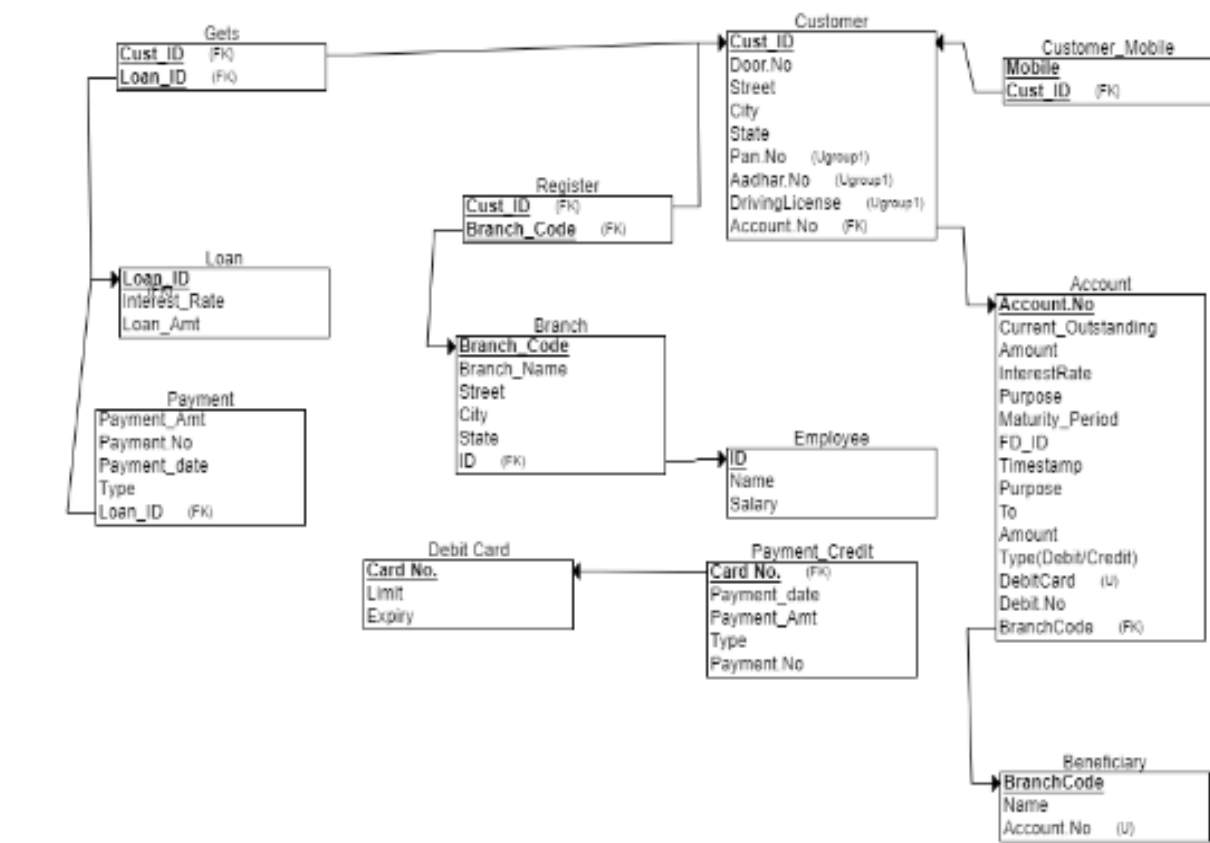# DBMS PROJECT REPORT
# BANK

**Team Members:  SECTION : H**
**Prisha.Senthilkumar          SRN: PES1UG21CS452**
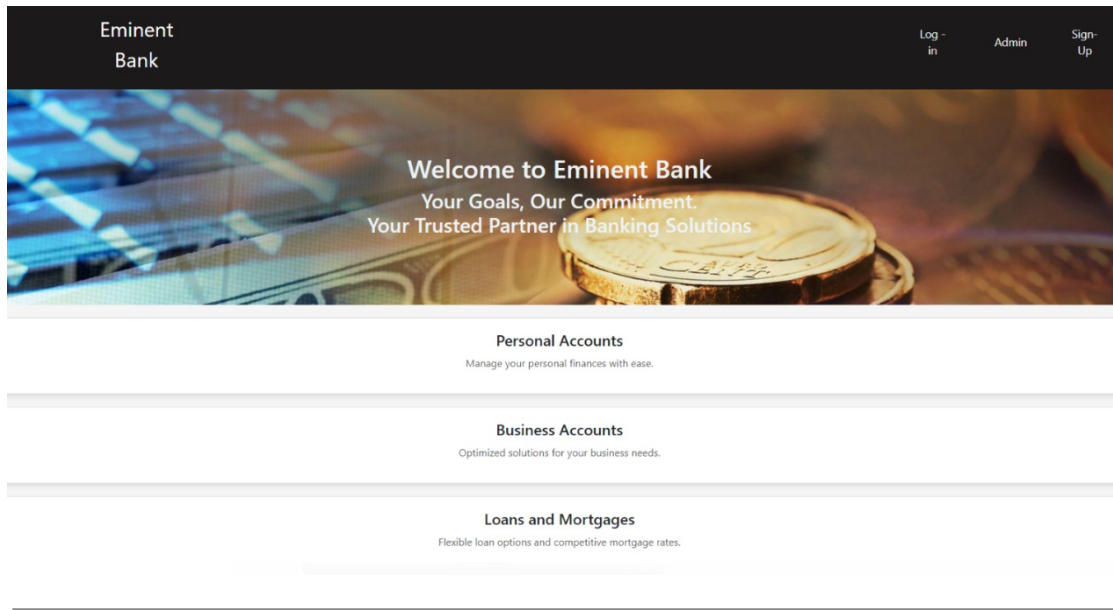**Prarthana P Bhat         SRN: PES1UG21CS439**

## ER DIAGRAM:

**RELATIONAL SCHEMA:**



**Gets**
Cust_ID (FK)
Loan_ID (FK)

**Customer**
Cust_ID
Door.No
Street
City
State
Pan.No (Ugroup1)
Aadhar.No (Ugroup1)
DrivingLicense (Ugroup1)
Account.No (FK)

**Customer_Mobile**
Mobile
Cust_ID (FK)

**Register**
Cust_ID (FK)
Branch_Code (FK)

**Loan**
Loan_ID
Interest_Rate
Loan_Amt

**Branch**
Branch_Code
Branch_Name
Street
City
State
ID (FK)

**Employee**
ID
Name
Salary

**Account**
Account.No
Current_Outstanding
Amount
InterestRate
Purpose
Maturity_Period
FD_ID
Timestamp
Purpose
To
Amount
Type(Debit/Credit)
DebitCard (U)
Debit.No
BranchCode (FK)

**Payment**
Payment_Amt
Payment.No
Payment_date
Type
Loan_ID (FK)

**Debit Card**
Card No.
Limit
Expiry

**Payment_Credit**
Card No. (FK)
Payment_date
Payment_Amt
Type
Payment.No

**Beneficiary**
BranchCode
Name
Account.No (U)

---

## Normal form : The database is in 3NF form.



Eminent Bank

Log-in     Admin     Sign-Up

Welcome to Eminent Bank
Your Goals, Our Commitment.
Your Trusted Partner in Banking Solutions

**Personal Accounts**
Manage your personal finances with ease.

**Business Accounts**
Optimized solutions for your business needs.

**Loans and Mortgages**
Flexible loan options and competitive mortgage rates.

**User Creation/Varied Privileges:**

**Admin Login:**



**Customer Login:**



```
-- create role users;
-- create role admin_t;
-- grant select,update on account to users;
-- grant all privileges on account_fd to users;
-- grant all privileges on beneficiary to users;
-- grant update on customer to users;
-- grant all privileges on debitcard to users;
-- grant all privileges on fd to users;
-- grant all privileges on loan to users;
-- grant all privileges on loan_payment to users;
-- grant select,update on notification to users;
```

```
-- grant all privileges on register_login to users;
-- grant all privileges on transaction to users;

-- grant create,update,insert on account to admin_t;
-- grant create,update,insert on account_fd to admin_t;
-- grant select on beneficiary to admin_t;
-- grant all privileges on branch to admin_t;
-- grant all privileges on customer to admin_t;
-- grant create,select,delete,insert on debitcard to admin_t;
-- grant all privileges on employee to admin_t;
-- grant all privileges on fd to admin_t;
-- grant all privileges on job_applicant to admin_t;
-- grant all privileges on loan to admin_t;
-- grant all privileges on loan_payment to admin_t;
-- grant all privileges on notification to admin_t;
-- grant all privileges on recruits to admin_t;
-- grant all privileges on register_admin to admin_t;
-- grant all privileges on register_admin_login to admin_t;
-- grant all privileges on register_login to admin_t;
-- grant all privileges on transaction to admin_t;
```

---

## TRIGGERS:

**Triggers:**
**Without Trigger: Takes negative amount.**

```
494
495 ●    drop trigger handle_insert_transaction;
496      -- DELIMITER ;
497
498      -- DELIMITER //
499
500      -- CREATE TRIGGER handle_insert_transaction
501      -- BEFORE INSERT ON transaction
502      -- FOR EACH ROW
503      -- BEGIN
504      --     IF NEW.amount < 0 THEN
505      --         SIGNAL SQLSTATE '45000'
506      --         SET MESSAGE_TEXT = 'Error: Negative amount not allowed for insertion into transaction table.';
507      --     END IF;
508      --
509
```

**With trigger: Shows invalid amount.**



**Queries used:**
**INSERT OPERATIONS:**

```
1)INSERT INTO beneficiary (accountNo, fname, toAccountNo, toname) VALUES
(?, ?, ?, ?)
```

**Before insertion:**

```
mysql> select * from beneficiary;
+-----------+-----------+-------------+---------+
| accountNo | fname     | toAccountNo | toname  |
+-----------+-----------+-------------+---------+
|         3 | abc       |           4 | pqr     |
|         3 | Abc       |           5 | Alice   |
|         4 | Pqr       |           5 | Alice   |
|         4 | Pqr       |           6 | Bob     |
|         7 | Prarthana |           4 | pqr     |
|         7 | Prarthana |           5 | Alice   |
|         7 | Prarthana |           8 | Prisha  |
|         4 | Pqr       |           3 | Abc     |
|         7 | Prarthana |           9 | aaa     |
+-----------+-----------+-------------+---------+
9 rows in set (0.00 sec)
```

**After:**

Eminent Bank                                    Home    Sign-out

## Add beneficiary

Your Name:

Prarthana

Beneficiary Account No:

6

Beneficiary Account Name:

Bob

Submit

```
mysql> select * from beneficiary;
+-----------+-----------+-------------+---------+
| accountNo | fname     | toAccountNo | toname  |
+-----------+-----------+-------------+---------+
|         3 | abc       |           4 | pqr     |
|         3 | Abc       |           5 | Alice   |
|         4 | Pqr       |           5 | Alice   |
|         4 | Pqr       |           6 | Bob     |
|         7 | Prarthana |           4 | pqr     |
|         7 | Prarthana |           5 | Alice   |
|         7 | Prarthana |           8 | Prisha  |
|         4 | Pqr       |           3 | Abc     |
|         7 | Prarthana |           9 | aaa     |
+-----------+-----------+-------------+---------+
```

2) `select current_outstanding from account`
   `where accountno = ?`

```
mysql> select current_outstanding from account
    ->        where accountno = 7;
+---------------------+
| current_outstanding |
+---------------------+
|               81952 |
+---------------------+
1 row in set (0.00 sec)
```

| Eminent Bank | Home | Sign-out |
| --- | --- | --- |

**Your Balance**

**Your Current Balance**

Account:
Balance:       Rs81952.00

**3) SELECT toname, toAccountno**

```
    FROM beneficiary
    WHERE accountno IN (
        SELECT accountno
        FROM beneficiary
        WHERE accountno = 7
    )
```

```
mysql> SELECT toname, toAccountno
    ->      FROM beneficiary
    ->      WHERE accountno IN (
    ->        SELECT accountno
    ->        FROM beneficiary
    ->        WHERE accountno = 7
    ->      )
    -> ;
+---------+-------------+
| toname  | toAccountno |
+---------+-------------+
| pqr     |           4 |
| Alice   |           5 |
| Prisha  |           8 |
| aaa     |           9 |
+---------+-------------+
```

Eminent
Bank

Home        Sign-
            out

## Transaction

Beneficiary:

Name: pqr   Account: 4          ○

Name: Alice   Account: 5        ○

Name: Prisha   Account: 8       ○

Name: aaa   Account: 9          ○

**4)select email from notification where accountNo = 7;**

```
mysql> select email from notification where accountNo = 7;
+-----------------------+
| email                 |
+-----------------------+
| prarthanapb14@gmail.com |
+-----------------------+
1 row in set (0.00 sec)
```

**5)update employee**

```
    set salary=salary+(salary*(?/100));
```

```
mysql> select * from employee;
+-------+---------+---------+------------+---------+---------------+------------------+-----------+----------+
| empId | fname   | lname   | phno       | salary  | adharNo       | emailId          | managerId | branchId |
+-------+---------+---------+------------+---------+---------------+------------------+-----------+----------+
|     2 | Johny   | Abraham | 8909867867 | 82999.9 | 456745678356  | abc1@gmail.com   |      NULL | 1        |
|     3 | Abraham | Jobh    | 6767644444 | 92027.3 | 123456789098  | abc796@gmail.com |         2 | 1        |
|     4 | Abraham | Lincoln | 6767644465 | 59637.3 | 123456789088  | abc79633@gmail.com |       2 | 1        |
+-------+---------+---------+------------+---------+---------------+------------------+-----------+----------+
3 rows in set (0.00 sec)
```

**After:**

| Eminent Bank | | Sign-Out | Admin | Settings |
|---|---|---|---|---|

### Enter Bonus percentage:

```
2
```

**Apply Bonus**

```
mysql> select * from employee;
+-------+---------+---------+------------+---------+---------------+------------------+-----------+----------+
| empId | fname   | lname   | phno       | salary  | adharNo       | emailId          | managerId | branchId |
+-------+---------+---------+------------+---------+---------------+------------------+-----------+----------+
|     2 | Johny   | Abraham | 8909867867 | 84659.9 | 456745678356  | abc1@gmail.com   |      NULL | 1        |
|     3 | Abraham | Jobh    | 6767644444 | 93867.9 | 123456789098  | abc796@gmail.com |         2 | 1        |
|     4 | Abraham | Lincoln | 6767644465 | 60830.1 | 123456789088  | abc79633@gmail.com |       2 | 1        |
+-------+---------+---------+------------+---------+---------------+------------------+-----------+----------+
3 rows in set (0.00 sec)
```

## JOIN OPERATION:

**6)  SELECT fd.fd_id, fd.principal, fd.interest, fd.openingDate, fd.closingDate, fd.amount**

**FROM fd**

**INNER JOIN account_fd AS a ON fd.fd_id = a.fd_id**

**WHERE a.accountNo = 7;**

```
mysql>  SELECT fd.fd_id, fd.principal, fd.interest, fd.openingDate, fd.closingDate, fd.amount
    ->     FROM fd
    ->     INNER JOIN account_fd AS a ON fd.fd_id = a.fd_id
    ->     WHERE a.accountNo = 7;
+-------+-----------+----------+-------------+-------------+--------+
| fd_id | principal | interest | openingDate | closingDate | amount |
+-------+-----------+----------+-------------+-------------+--------+
|    16 |       600 |     0.06 | 2023-11-14  | 2024-11-14  |    636 |
|    17 |       600 |     0.06 | 2023-11-14  | 2024-11-14  |    636 |
|    18 |       600 |     0.06 | 2023-11-14  | 2024-11-14  |    636 |
|    20 |      1000 |     0.06 | 2023-11-16  | 2024-11-16  |   1060 |
|    21 |      1000 |     0.06 | 2023-11-24  | 2024-05-24  |   1060 |
+-------+-----------+----------+-------------+-------------+--------+
5 rows in set (0.00 sec)
```

**7) SELECT * FROM TRANSACTION**

**WHERE FROMACC = 7**

**or TOACCNO = 7**

**ORDER BY TDATE DESC,timestamp desc;**

**`;**

```
mysql> SELECT * FROM TRANSACTION
    ->     WHERE FROMACC = 7
    ->     or TOACCNO = 7
    ->     ORDER BY TDATE DESC,timestamp desc;
+----------------+--------+---------+--------+-----------+---------+------------+
| transaction_id | amount | toAccNo | type   | timestamp | fromAcc | tdate      |
+----------------+--------+---------+--------+-----------+---------+------------+
|             38 |    300 |       4 | online | 15:33:39  |       7 | 2023-11-24 |
|             37 |    500 |       4 | online | 15:29:52  |       7 | 2023-11-24 |
|             36 |    200 |       4 | debit  | 15:34:10  |       7 | 2023-11-23 |
|             35 |   1000 |       9 | online | 15:31:46  |       7 | 2023-11-23 |
|             34 |    100 |       4 | debit  | 14:41:39  |       7 | 2023-11-22 |
|             33 |      7 |       8 | online | 12:53:55  |       7 | 2023-11-20 |
|             32 |      6 |       8 | online | 12:52:40  |       7 | 2023-11-20 |
|             31 |    100 |       4 | debit  | 12:50:57  |       7 | 2023-11-20 |
|             27 |   1000 |       4 | online | 12:48:21  |       7 | 2023-11-16 |
|             26 |      8 |       4 | online | 12:10:36  |       7 | 2023-11-16 |
|             25 |      2 |       4 | online | 12:06:44  |       7 | 2023-11-16 |
|             24 |      5 |       3 | online | 12:05:17  |       7 | 2023-11-16 |
|             23 |      2 |       4 | online | 11:44:21  |       7 | 2023-11-16 |
+----------------+--------+---------+--------+-----------+---------+------------+
13 rows in set (0.00 sec)
```

## Your Transactions

| Transaction ID | Amount | To Account No | Type | Timestamp | From Account | Date |
|---|---|---|---|---|---|---|
| 38 | Rs300 | 4 | online | 15:33:39 | 7 | 2023-11-23 |
| 37 | Rs500 | 4 | online | 15:29:52 | 7 | 2023-11-23 |
| 36 | Rs200 | 4 | debit | 15:34:10 | 7 | 2023-11-22 |
| 35 | Rs1000 | 9 | online | 15:31:46 | 7 | 2023-11-22 |
| 34 | Rs100 | 4 | debit | 14:41:39 | 7 | 2023-11-21 |
| 33 | Rs7 | 8 | online | 12:53:55 | 7 | 2023-11-19 |
| 32 | Rs6 | 8 | online | 12:52:40 | 7 | 2023-11-19 |
| 31 | Rs100 | 4 | debit | 12:50:57 | 7 | 2023-11-19 |
| 27 | Rs1000 | 4 | online | 12:48:21 | 7 | 2023-11-15 |
| 26 | Rs8 | 4 | online | 12:10:36 | 7 | 2023-11-15 |

8)`SELECT * FROM LOAN WHERE ACC_NO = 7;`

```
mysql> SELECT * FROM LOAN WHERE ACC_NO = 7;
+--------+--------+------+--------+---------+-----------+-------+---------+----------+
| loanId | amount | rate | acc_no | toBePaid | principal | ltime | timeLeft | time_yrs |
+--------+--------+------+--------+---------+-----------+-------+---------+----------+
|      4 |    248 | 0.12 |      7 |     200 |       200 |  2025 |    2023 |        2 |
|      5 |    680 | 0.12 |      7 |     600 |       500 |  2026 |    2023 |        3 |
|      6 |   1120 | 0.12 |      7 |    1000 |      1000 |  2024 |    2023 |        1 |
|      7 |    224 | 0.12 |      7 |     224 |       200 |  2024 |    2023 |        1 |
+--------+--------+------+--------+---------+-----------+-------+---------+----------+
```

Your loans          Make payment          Apply for loan

## Your Loans

| Loan ID | Loan Amount | Interest Rate | Account Number | To Be Paid | Principal | Loan time | Time Left | Time in Years |
|---|---|---|---|---|---|---|---|---|
| 4 | Rs248 | 0.12% | 7 | Rs200 | Rs200 | 2025 | 2023 | 2 |
| 5 | Rs680 | 0.12% | 7 | Rs600 | Rs500 | 2026 | 2023 | 3 |
| 6 | Rs1120 | 0.12% | 7 | Rs1000 | Rs1000 | 2024 | 2023 | 1 |
| 7 | Rs224 | 0.12% | 7 | Rs224 | Rs200 | 2024 | 2023 | 1 |

# AGGREGATE FUNCTION:

9)`select * from account where Current_Outstanding = Max(Current_Outstanding)`

Eminent
Bank

Sign-
Out

Admin

Settings

| Account Number | Current_Outstanding | Customer Id | Branch |
|---|---|---|---|
| 7 | 81946 | 8 | 1 |

# NESTED QUERY:

To get details of account holders who didn't even pay 50% of their loan amount.

```
10)select AccountNo,mobile,email from
(notification inner join
    (select acc_no from
        (select * from (select lp.loan_id from loan_payment lp  where
        lp.loan_id in (select loanID  from loan l where
        l.toBePaid>=0.5* l.amount))lid
        inner join loan on loan.loanID=lid.loan_id)
    getacct) final on notification.AccountNo=final.acc_no);
```

## Loan Unpaid

| Account Number | Email_Address | Mobile No |
|---|---|---|
| 7 | prarthanapb14@gmail.com | 7022342380 |

## PROCEDURES:

```
1. call loan_connect(?,?);
```

**Before procedure call**

```
mysql> select * from account;
+-----------+---------------------+-------------+----------------+---------+
| AccountNo | Current_Outstanding | branch_code | credit_card_no | cust_id |
+-----------+---------------------+-------------+----------------+---------+
|         3 |                9014 | 1           |           NULL |       3 |
|         4 |               13107 | 1           |           NULL |       4 |
|         5 |               50515 | 1           |           NULL |       6 |
|         6 |               40018 | 1           |           NULL |       7 |
|         7 |               83152 | 1           |           NULL |       8 |
|         8 |                 614 | 1           |           NULL |       9 |
|         9 |                1300 | 1           |           NULL |      10 |
+-----------+---------------------+-------------+----------------+---------+
7 rows in set (0.00 sec)

mysql> select * from loan;
+--------+--------+------+--------+----------+-----------+-------+----------+----------+
| loanId | amount | rate | acc_no | toBePaid | principal | ltime | timeLeft | time_yrs |
+--------+--------+------+--------+----------+-----------+-------+----------+----------+
|      2 |    224 | 0.12 |      4 |        0 |       200 |  2024 |     2023 |        1 |
|      3 |    224 | 0.12 |      4 |      124 |       200 |  2024 |     2023 |        1 |
|      4 |    248 | 0.12 |      7 |      200 |       200 |  2025 |     2023 |        2 |
|      5 |    680 | 0.12 |      7 |      600 |       500 |  2026 |     2023 |        3 |
|      6 |   1120 | 0.12 |      7 |     1120 |      1000 |  2024 |     2023 |        1 |
+--------+--------+------+--------+----------+-----------+-------+----------+----------+
5 rows in set (0.00 sec)

mysql> select * from loan_payment;
+---------+------------+----------+--------------+-----------+-------+
| loan_id | lstatus    | paid_amt | payment_date | paymentNo | ltype |
+---------+------------+----------+--------------+-----------+-------+
|       2 | complete   |      224 | 2023-11-20   |         3 | LOAN  |
|       3 | incomplete |      100 | 2023-11-21   |         1 | LOAN  |
|       4 | incomplete |       48 | 2023-11-24   |         1 | LOAN  |
|       5 | incomplete |       80 | 2023-11-24   |         1 | LOAN  |
|       6 | incomplete |        0 | 2023-11-23   |         0 | LOAN  |
+---------+------------+----------+--------------+-----------+-------+
5 rows in set (0.00 sec)
```

**After procedure call:**

**Paying loan_id 6 from account number 7**
**GUI:**



**AFTER UPDATE:**

```
mysql> select * from account;
+-----------+---------------------+-------------+---------------+---------+
| AccountNo | Current_Outstanding | branch_code | credit_card_no | cust_id |
+-----------+---------------------+-------------+---------------+---------+
|         3 |                9014 | 1           |          NULL |       3 |
|         4 |               13107 | 1           |          NULL |       4 |
|         5 |               50515 | 1           |          NULL |       6 |
|         6 |               40018 | 1           |          NULL |       7 |
|         7 |               83152 | 1           |          NULL |       8 |
|         8 |                 614 | 1           |          NULL |       9 |
|         9 |                1300 | 1           |          NULL |      10 |
+-----------+---------------------+-------------+---------------+---------+
7 rows in set (0.00 sec)

mysql> select * from loan;
+--------+--------+------+--------+---------+-----------+-------+----------+----------+
| loanId | amount | rate | acc_no | toBePaid | principal | ltime | timeLeft | time_yrs |
+--------+--------+------+--------+---------+-----------+-------+----------+----------+
|      2 |    224 | 0.12 |      4 |       0 |       200 |  2024 |     2023 |        1 |
|      3 |    224 | 0.12 |      4 |     124 |       200 |  2024 |     2023 |        1 |
|      4 |    248 | 0.12 |      7 |     200 |       200 |  2025 |     2023 |        2 |
|      5 |    680 | 0.12 |      7 |     600 |       500 |  2026 |     2023 |        3 |
|      6 |   1120 | 0.12 |      7 |    1000 |      1000 |  2024 |     2023 |        1 |
+--------+--------+------+--------+---------+-----------+-------+----------+----------+
5 rows in set (0.00 sec)

mysql> select * from loan_payment;
+---------+------------+----------+--------------+-----------+-------+
| loan_id | lstatus    | paid_amt | payment_date | paymentNo | ltype |
+---------+------------+----------+--------------+-----------+-------+
|       2 | complete   |      224 | 2023-11-20   |         3 | LOAN  |
|       3 | incomplete |      100 | 2023-11-21   |         1 | LOAN  |
|       4 | incomplete |       48 | 2023-11-24   |         1 | LOAN  |
|       5 | incomplete |       80 | 2023-11-24   |         1 | LOAN  |
|       6 | incomplete |      120 | 2023-11-24   |         1 | LOAN  |
+---------+------------+----------+--------------+-----------+-------+
5 rows in set (0.00 sec)
```

## 2. call apploan(?,?,?);

**Before procedure call:**

```
mysql> select * from loan;
+--------+--------+------+--------+---------+-----------+-------+----------+----------+
| loanId | amount | rate | acc_no | toBePaid | principal | ltime | timeLeft | time_yrs |
+--------+--------+------+--------+---------+-----------+-------+----------+----------+
|      2 |    224 | 0.12 |      4 |       0 |       200 |  2024 |     2023 |        1 |
|      3 |    224 | 0.12 |      4 |     124 |       200 |  2024 |     2023 |        1 |
|      4 |    248 | 0.12 |      7 |     200 |       200 |  2025 |     2023 |        2 |
|      5 |    680 | 0.12 |      7 |     600 |       500 |  2026 |     2023 |        3 |
|      6 |   1120 | 0.12 |      7 |    1000 |      1000 |  2024 |     2023 |        1 |
+--------+--------+------+--------+---------+-----------+-------+----------+----------+
5 rows in set (0.00 sec)
```

**After procedure call:**

**Eminent Bank**

Home | Sign-out

**Your loans** | **Make payment** | **Apply for loan**

Interest for loan is 12% per annum

Name:

Prarthana

Loan Amount:

200

Time (in years):

1

Apply

```
mysql> select * from loan;
+--------+--------+------+--------+----------+-----------+-------+----------+----------+
| loanId | amount | rate | acc_no | toBePaid | principal | ltime | timeLeft | time_yrs |
+--------+--------+------+--------+----------+-----------+-------+----------+----------+
|      2 |    224 | 0.12 |      4 |        0 |       200 |  2024 |     2023 |        1 |
|      3 |    224 | 0.12 |      4 |      124 |       200 |  2024 |     2023 |        1 |
|      4 |    248 | 0.12 |      7 |      200 |       200 |  2025 |     2023 |        2 |
|      5 |    680 | 0.12 |      7 |      600 |       500 |  2026 |     2023 |        3 |
|      6 |   1120 | 0.12 |      7 |     1000 |      1000 |  2024 |     2023 |        1 |
|      7 |    224 | 0.12 |      7 |      224 |       200 |  2024 |     2023 |        1 |
+--------+--------+------+--------+----------+-----------+-------+----------+----------+
6 rows in set (0.00 sec)

mysql> select * from loan_payment;
+---------+------------+----------+--------------+-----------+-------+
| loan_id | lstatus    | paid_amt | payment_date | paymentNo | ltype |
+---------+------------+----------+--------------+-----------+-------+
|       2 | complete   |      224 | 2023-11-20   |         3 | LOAN  |
|       3 | incomplete |      100 | 2023-11-21   |         1 | LOAN  |
|       4 | incomplete |       48 | 2023-11-24   |         1 | LOAN  |
|       5 | incomplete |       80 | 2023-11-24   |         1 | LOAN  |
|       6 | incomplete |      120 | 2023-11-24   |         1 | LOAN  |
|       7 | incomplete |        0 | 2023-11-24   |         0 | LOAN  |
+---------+------------+----------+--------------+-----------+-------+
6 rows in set (0.00 sec)
```

3. `call fd(?,?,?,?);`

```
drop procedure fd;

DELIMITER //

CREATE PROCEDURE fd(
    IN accno INT,
    IN amount FLOAT,
    IN time INT,
    IN nominee VARCHAR(25)
)
BEGIN
    DECLARE currentOutstanding FLOAT;
    DECLARE openingDate DATE;
```

```sql
    DECLARE closingDate DATE;
    DECLARE interestRate FLOAT;
    DECLARE compoundInterest FLOAT;
    DECLARE finalAmount float;


DECLARE fd_no int;


    -- Check if the account has sufficient funds
    SELECT Current_Outstanding INTO currentOutstanding
    FROM account
    WHERE AccountNo = accno;

    IF currentOutstanding >= amount THEN
        -- Deduct the amount from the current outstanding
        UPDATE account
        SET Current_Outstanding = currentOutstanding - amount
        WHERE AccountNo = accno;

        -- Set opening date (assuming today is the opening date)
        SET openingDate = CURDATE();

        -- Set closing date
        SET closingDate = DATE_ADD(openingDate, INTERVAL time MONTH);

        -- Set interest rate (assuming 6% interest per annum)
        SET interestRate = 0.06;

        -- Calculate compound interest
        SET compoundInterest = amount * POW((1 + interestRate / 12),
(time/12));


        -- Insert into fd table
        INSERT INTO fd (maturity_period, principal, interest,nominee,
openingDate, closingDate, amount)
        VALUES (time, amount, 0.06, nominee,openingDate, closingDate,
compoundInterest);

        SELECT 'FD created successfully.' AS message;
```

```sql
    ELSE
        SELECT 'Error: Insufficient funds.' AS message;
    END IF;


    select fd_id into fd_no
    from fd
    order by fd_id desc
    limit 1;


    insert into account_fd(accountNO,fd_id) values(accno,fd_no);


END //


DELIMITER ;
```

**Before procedure call:**

```
mysql>
mysql> select * from account;
+-----------+---------------------+-------------+---------------+---------+
| AccountNo | Current_Outstanding | branch_code | credit_card_no | cust_id |
+-----------+---------------------+-------------+---------------+---------+
|         3 |                9014 | 1           |          NULL |       3 |
|         4 |               13107 | 1           |          NULL |       4 |
|         5 |               50515 | 1           |          NULL |       6 |
|         6 |               40018 | 1           |          NULL |       7 |
|         7 |               82952 | 1           |          NULL |       8 |
|         8 |                 614 | 1           |          NULL |       9 |
|         9 |                1300 | 1           |          NULL |      10 |
+-----------+---------------------+-------------+---------------+---------+
7 rows in set (0.00 sec)

mysql> select * from fd;
+-------+----------------+-----------+----------+---------+-------------+-------------+--------+
| fd_id | maturity_period | principal | interest | nominee | openingDate | closingDate | amount |
+-------+----------------+-----------+----------+---------+-------------+-------------+--------+
|    10 |              3 |       600 |     0.06 | Susan   | 2023-11-10  | 2024-02-10  |    636 |
|    11 |             12 |      1000 |     0.06 | Ram     | 2023-11-10  | 2024-11-10  |   1060 |
|    12 |             12 |      1000 |     0.06 | Ram     | 2023-11-10  | 2024-11-10  |   1060 |
|    13 |             12 |      1000 |     0.06 | Ram     | 2023-11-10  | 2024-11-10  |   1060 |
|    14 |             12 |      1000 |     0.06 | Ram     | 2023-11-10  | 2024-11-10  |   1060 |
|    15 |              3 |       600 |     0.06 | Ram     | 2023-11-10  | 2024-02-10  |    636 |
|    16 |             12 |       600 |     0.06 | Ram     | 2023-11-14  | 2024-11-14  |    636 |
|    17 |             12 |       600 |     0.06 | Ram     | 2023-11-14  | 2024-11-14  |    636 |
|    18 |             12 |       600 |     0.06 | Ram     | 2023-11-14  | 2024-11-14  |    636 |
|    19 |             12 |      1000 |     0.06 | Ram     | 2023-11-14  | 2024-11-14  |   1060 |
|    20 |             12 |      1000 |     0.06 | Ram     | 2023-11-16  | 2024-11-16  |   1060 |
+-------+----------------+-----------+----------+---------+-------------+-------------+--------+
11 rows in set (0.00 sec)

mysql> select * from account_fd;
+--------------+-----------+-------+
| account_fd_id | accountNo | fd_id |
+--------------+-----------+-------+
|            3 |         4 |    10 |
|            4 |         4 |    11 |
|            5 |         4 |    12 |
|            6 |         4 |    13 |
|            7 |         4 |    14 |
|            8 |         4 |    15 |
|            9 |         7 |    16 |
|           10 |         7 |    17 |
|           11 |         7 |    18 |
|           12 |         4 |    19 |
|           13 |         7 |    20 |
|           14 |         4 |    20 |
+--------------+-----------+-------+
12 rows in set (0.00 sec)
```

**After procedure call:**

**Create fd**          **Your FDs**

The rate of interest for the loan is 6%

Your Name:

Prarthana

Amount:

1000

Nominee:

Ram

Time in months:

6

Submit

```
mysql> select * from account;
+-----------+---------------------+-------------+---------------+----------+
| AccountNo | Current_Outstanding | branch_code | credit_card_no | cust_id |
+-----------+---------------------+-------------+---------------+----------+
|         3 |                9014 | 1           |          NULL |        3 |
|         4 |               13107 | 1           |          NULL |        4 |
|         5 |               50515 | 1           |          NULL |        6 |
|         6 |               40018 | 1           |          NULL |        7 |
|         7 |               81952 | 1           |          NULL |        8 |
|         8 |                 614 | 1           |          NULL |        9 |
|         9 |                1300 | 1           |          NULL |       10 |
+-----------+---------------------+-------------+---------------+----------+
7 rows in set (0.00 sec)

mysql> select * from fd;
+-------+-----------------+-----------+----------+---------+-------------+-------------+--------+
| fd_id | maturity_period | principal | interest | nominee | openingDate | closingDate | amount |
+-------+-----------------+-----------+----------+---------+-------------+-------------+--------+
|    10 |               3 |       600 |     0.06 | Susan   | 2023-11-10  | 2024-02-10  |    636 |
|    11 |              12 |      1000 |     0.06 | Ram     | 2023-11-10  | 2024-11-10  |   1060 |
|    12 |              12 |      1000 |     0.06 | Ram     | 2023-11-10  | 2024-11-10  |   1060 |
|    13 |              12 |      1000 |     0.06 | Ram     | 2023-11-10  | 2024-11-10  |   1060 |
|    14 |              12 |      1000 |     0.06 | Ram     | 2023-11-10  | 2024-11-10  |   1060 |
|    15 |               3 |       600 |     0.06 | Ram     | 2023-11-10  | 2024-02-10  |    636 |
|    16 |              12 |       600 |     0.06 | Ram     | 2023-11-14  | 2024-11-14  |    636 |
|    17 |              12 |       600 |     0.06 | Ram     | 2023-11-14  | 2024-11-14  |    636 |
|    18 |              12 |       600 |     0.06 | Ram     | 2023-11-14  | 2024-11-14  |    636 |
|    19 |              12 |      1000 |     0.06 | Ram     | 2023-11-14  | 2024-11-14  |   1060 |
|    20 |              12 |      1000 |     0.06 | Ram     | 2023-11-16  | 2024-11-16  |   1060 |
|    21 |               6 |      1000 |     0.06 | Ram     | 2023-11-24  | 2024-05-24  |   1060 |
+-------+-----------------+-----------+----------+---------+-------------+-------------+--------+
12 rows in set (0.00 sec)

mysql> select * from account_fd;
+--------------+-----------+-------+
| account_fd_id | accountNo | fd_id |
+--------------+-----------+-------+
|            3 |         4 |    10 |
|            4 |         4 |    11 |
|            5 |         4 |    12 |
|            6 |         4 |    13 |
|            7 |         4 |    14 |
|            8 |         4 |    15 |
|            9 |         7 |    16 |
|           10 |         7 |    17 |
|           11 |         7 |    18 |
|           12 |         4 |    19 |
|           13 |         7 |    20 |
|           14 |         4 |    20 |
|           15 |         7 |    21 |
+--------------+-----------+-------+
13 rows in set (0.00 sec)
```

**5)    call delete_account(?);**

```
-- DELIMITER //
-- CREATE PROCEDURE delete_account(IN account_no INT)
-- BEGIN
--      DECLARE lp INT;
--      DECLARE bal_high INT;
--      declare fd_pres int;
--      SET lp = 0;
--      SET bal_high = 0;
--      set fd_pres =0;
--      IF Balance_high(account_no) THEN
--          SET bal_high = 1;
--      END IF;
--      IF fd_present(account_no) THEN
--          SET fd_pres = 1;
--      END IF;
--
--      IF loan_present(account_no) THEN
--          SET lp = 1;
--      END IF;
--
--      IF lp = 0 AND bal_high = 0 and fd_pres=0 THEN
--       delete from account where accountno =account_no;
--          DELETE FROM customer where cust_id = ( select cust_id from account WHERE accountno = account_no) ;
--      ELSE
--       if fd_pres=1 then
--          select "Cannot Delete account.Fd is present for this account." as Message;
--       end if;
--          IF lp = 1 AND bal_high = 0 THEN
--              SELECT "Cannot delete account. Loan still pending" AS Message;
--          ELSEIF lp = 0 AND bal_high = 1 THEN
--              SELECT "Cannot delete account. Current balance is high. Make your current balance minimum" AS Message;
--          ELSE
--              SELECT "Cannot delete account. Loan pending and current balance is higher than 300" AS Message;
--          END IF;
--      END IF;
-- END//
-- DELIMITER ;
```

**Before procedure call:**

## Enter Account Number:

| 12 |
|---|
| Search |
| Loans |
| Fixed Deposit |
| Delete Account |

## Customer Account Details:

| Account Number | First Name | Last Name | Current_Outstanding | Aadhar Number |
|---|---|---|---|---|
| 12 | newacc | abc | 300 | 823456789333 |

```
mysql> select * from account;
+-----------+---------------------+-------------+----------------+---------+
| AccountNo | Current_Outstanding | branch_code | credit_card_no | cust_id |
+-----------+---------------------+-------------+----------------+---------+
|         3 |                9014 | 1           |           NULL |       3 |
|         4 |               13107 | 1           |           NULL |       4 |
|         5 |               50515 | 1           |           NULL |       6 |
|         6 |               40018 | 1           |           NULL |       7 |
|         7 |               81952 | 1           |           NULL |       8 |
|         8 |                 614 | 1           |           NULL |       9 |
|         9 |                1300 | 1           |           NULL |      10 |
|        12 |                 300 | 1           |           NULL |      14 |
+-----------+---------------------+-------------+----------------+---------+
8 rows in set (0.00 sec)
```

**After:**

```
mysql> select * from account;
+-----------+---------------------+-------------+----------------+---------+
| AccountNo | Current_Outstanding | branch_code | credit_card_no | cust_id |
+-----------+---------------------+-------------+----------------+---------+
|         3 |                9014 | 1           |           NULL |       3 |
|         4 |               13107 | 1           |           NULL |       4 |
|         5 |               50515 | 1           |           NULL |       6 |
|         6 |               40018 | 1           |           NULL |       7 |
|         7 |               81952 | 1           |           NULL |       8 |
|         8 |                 614 | 1           |           NULL |       9 |
|         9 |                1300 | 1           |           NULL |      10 |
+-----------+---------------------+-------------+----------------+---------+
7 rows in set (0.00 sec)
```

**6)new account:**
**Before**

```
mysql> select * from customer;
+---------+-----------+----------+--------+------------+-----------+-----------+-------------+----------------+------------+
| Cust_ID | FirstName | LastName | DoorNo | Street     | City      | PanNo     | AadharNo    | DrivingLicense | phno       |
+---------+-----------+----------+--------+------------+-----------+-----------+-------------+----------------+------------+
|       3 | Abc       | Xyz      |     21 | roseStreet | Banglore  | ABCTY1234D | 123456789123 | NULL          | NULL       |
|       4 | Pqr       | Xyz      |     21 | lilyStreet | Bangalore | AACTY1234D | 113456789123 | NULL          | NULL       |
|       6 | Alice     | H        |     20 | rosestreet | Bangalore | ACCTY1234D | 113456789155 | NULL          | NULL       |
|       7 | Bob       | H        |     25 | rosestreet | Bangalore | ADDTY1234D | 113456766155 | NULL          | NULL       |
|       8 | Prarthana | Bhat     |      1 | JHGJJ      | abdjfl    | BDDTY1234D | ADDTY1234D   | 123336789123   | 7022342380 |
|       9 | prisha    | sentil   |     23 | alsjflajl  | bangalore | ASDFF2323L | 123456789333 | NULL          | NULL       |
|      10 | agy       | asf      |    154 | sahvka     | bangalore | BSDFF2323L | 123456789311 | NULL          | NULL       |
|      12 | afa       | asfa     |     54 | afas       | bangalore | ASDFF2323B | 123456789310 | NULL          | NULL       |
|      13 | afa       | asfa     |     12 | alsjflajl  | bangalore | ASDFF2323Z | 123456789222 | NULL          | NULL       |
+---------+-----------+----------+--------+------------+-----------+-----------+-------------+----------------+------------+
9 rows in set (0.00 sec)

mysql> select * from account;
+-----------+---------------------+-------------+---------------+---------+
| AccountNo | Current_Outstanding | branch_code | credit_card_no | cust_id |
+-----------+---------------------+-------------+---------------+---------+
|         3 |                9014 | 1           |          NULL |       3 |
|         4 |               13107 | 1           |          NULL |       4 |
|         5 |               50515 | 1           |          NULL |       6 |
|         6 |               40018 | 1           |          NULL |       7 |
|         7 |               81952 | 1           |          NULL |       8 |
|         8 |                 614 | 1           |          NULL |       9 |
|         9 |                1300 | 1           |          NULL |      10 |
+-----------+---------------------+-------------+---------------+---------+
7 rows in set (0.00 sec)

mysql> select * from notification;
+-----------+------------+------------------------------+
| AccountNo | mobile     | email                        |
+-----------+------------+------------------------------+
|         7 | 7022342380 | prarthanapb14@gmail.com      |
|         8 | 1234598763 | prisjha@gmail.com            |
|         9 | 1234567880 | prisjha@gmail.com            |
|        10 | 1234567800 | pri2019senthil@gmail.com     |
|        11 | 1234567822 | pri2019senthil@gmail.com     |
+-----------+------------+------------------------------+
5 rows in set (0.00 sec)
```

**After:**

```
mysql> select * from customer;
+---------+-----------+----------+--------+-----------+-----------+-----------+--------------+----------------+------------+
| Cust_ID | FirstName | LastName | DoorNo | Street    | City      | PanNo     | AadharNo     | DrivingLicense | phno       |
+---------+-----------+----------+--------+-----------+-----------+-----------+--------------+----------------+------------+
|       3 | Abc       | Xyz      |     21 | roseStreet| Banglore  | ABCTY1234D| 123456789123 | NULL           | NULL       |
|       4 | Pqr       | Xyz      |     21 | lilyStreet| Bangalore | AACTY1234D| 113456789123 | NULL           | NULL       |
|       6 | Alice     | H        |     20 | rosestreet| Bangalore | ACCTY1234D| 113456789155 | NULL           | NULL       |
|       7 | Bob       | H        |     25 | rosestreet| Bangalore | ADDTY1234D| 113456766155 | NULL           | NULL       |
|       8 | Prarthana | Bhat     |      1 | JHGJJ     | abdjfl    | BDDTY1234D| ADDTY1234D   | 123336789123   | 7022342380 |
|       9 | prisha    | sentil   |     23 | alsjflajl | bangalore | ASDFF2323L| 123456789333 | NULL           | NULL       |
|      10 | agy       | asf      |    154 | sahvka    | bangalore | BSDFF2323L| 123456789311 | NULL           | NULL       |
|      12 | afa       | asfa     |     54 | afas      | bangalore | ASDFF2323B| 123456789310 | NULL           | NULL       |
|      13 | afa       | asfa     |     12 | alsjflajl | bangalore | ASDFF2323Z| 123456789222 | NULL           | NULL       |
|      14 | newacc    | abc      |     12 | abcdefg   | mumbai    | ASDFG2323L| 823456789333 | NULL           | NULL       |
+---------+-----------+----------+--------+-----------+-----------+-----------+--------------+----------------+------------+
10 rows in set (0.00 sec)

mysql> select * from account;
+-----------+---------------------+-------------+----------------+---------+
| AccountNo | Current_Outstanding | branch_code | credit_card_no | cust_id |
+-----------+---------------------+-------------+----------------+---------+
|         3 |                9014 | 1           |           NULL |       3 |
|         4 |               13107 | 1           |           NULL |       4 |
|         5 |               50515 | 1           |           NULL |       6 |
|         6 |               40018 | 1           |           NULL |       7 |
|         7 |               81952 | 1           |           NULL |       8 |
|         8 |                 614 | 1           |           NULL |       9 |
|         9 |                1300 | 1           |           NULL |      10 |
|        12 |                 300 | 1           |           NULL |      14 |
+-----------+---------------------+-------------+----------------+---------+
8 rows in set (0.00 sec)

mysql> select * from notification;
+-----------+------------+------------------------+
| AccountNo | mobile     | email                  |
+-----------+------------+------------------------+
|         7 | 7022342380 | prarthanapb14@gmail.com|
|         8 | 1234598763 | prisjha@gmail.com      |
|         9 | 1234567880 | prisjha@gmail.com      |
|        10 | 1234567800 | pri2019senthil@gmail.com|
|        11 | 1234567822 | pri2019senthil@gmail.com|
|        12 | 1789567889 | newacc@gmail.com       |
+-----------+------------+------------------------+
6 rows in set (0.00 sec)
```

```
mysql> select * from debitcard;
+------------+------------+----------+------------+-------------+
| account_no | pay_amount | ptime    | tdate      | debitCardNo |
+------------+------------+----------+------------+-------------+
|          8 |       NULL | 17:50:49 | 2023-11-14 |           1 |
|          7 |       NULL | 01:50:49 | 2023-11-12 |      123456 |
|          9 |       NULL | 14:17:50 | 2023-11-23 |      123457 |
|         12 |       NULL | 19:34:43 | 2023-11-25 |      123460 |
+------------+------------+----------+------------+-------------+
4 rows in set (0.00 sec)
```

**Functions:**

1. SELECT TransferAmount( senderAccountNo INT,
        receiverAccountNo INT,
        transferAmount FLOAT
            );

   Before function call:

```
> select * from account;
+--------+----------------------+-------------+----------------+---------+
| untNo  | Current_Outstanding  | branch_code | credit_card_no | cust_id |
+--------+----------------------+-------------+----------------+---------+
|      3 |                 9014 | 1           |           NULL |       3 |
|      4 |                12807 | 1           |           NULL |       4 |
|      5 |                50515 | 1           |           NULL |       6 |
|      6 |                40018 | 1           |           NULL |       7 |
|      7 |                83452 | 1           |           NULL |       8 |
|      8 |                  614 | 1           |           NULL |       9 |
|      9 |                 1300 | 1           |           NULL |      10 |
+--------+----------------------+-------------+----------------+---------+
  in set (0.00 sec)
```

```
mysql> select * from transaction;
+----------------+--------+---------+--------+-----------+---------+------------+
| transaction_id | amount | toAccNo | type   | timestamp | fromAcc | tdate      |
+----------------+--------+---------+--------+-----------+---------+------------+
|              1 |    200 |       4 | online | 18:27:42  |       4 | 2023-11-08 |
|              2 |    500 |       5 | online | 19:23:44  |       4 | 2023-11-08 |
|              3 |      1 |       3 | online | 22:04:56  |       4 | 2023-11-08 |
|              4 |      1 |       3 | online | 22:42:43  |       4 | 2023-11-08 |
|              5 |      1 |       4 | online | 23:15:17  |       4 | 2023-11-13 |
|              6 |      1 |       5 | online | 23:55:36  |       4 | 2023-11-13 |
|              7 |      1 |       3 | online | 23:57:59  |       4 | 2023-11-13 |
|              8 |      1 |       5 | online | 17:44:33  |       4 | 2023-11-14 |
|              9 |  10000 |       4 | online | 18:22:58  |       4 | 2023-11-14 |
|             12 |    600 |       4 | online | 18:32:30  |       4 | 2023-11-14 |
|             13 |   1000 |       4 | online | 18:35:30  |       4 | 2023-11-14 |
|             14 |      1 |       3 | online | 11:59:27  |       4 | 2023-11-15 |
|             15 |      1 |       3 | online | 11:59:45  |       4 | 2023-11-15 |
|             16 |      1 |       5 | online | 11:59:58  |       4 | 2023-11-15 |
|             17 |      1 |       3 | online | 12:00:16  |       4 | 2023-11-15 |
|             18 |      1 |       5 | online | 12:00:41  |       4 | 2023-11-15 |
|             19 |      1 |       5 | online | 12:00:47  |       4 | 2023-11-15 |
|             20 |      1 |       4 | online | 09:23:46  |       4 | 2023-11-16 |
|             21 |      2 |       4 | online | 10:59:16  |       4 | 2023-11-16 |
|             22 |      2 |       4 | online | 11:02:00  |       4 | 2023-11-16 |
|             23 |      2 |       4 | online | 11:44:21  |       7 | 2023-11-16 |
|             24 |      5 |       3 | online | 12:05:17  |       7 | 2023-11-16 |
|             25 |      2 |       4 | online | 12:06:44  |       7 | 2023-11-16 |
|             26 |      8 |       4 | online | 12:10:36  |       7 | 2023-11-16 |
|             27 |   1000 |       4 | online | 12:48:21  |       7 | 2023-11-16 |
|             29 |      1 |       3 | online | 09:09:20  |       4 | 2023-11-17 |
|             30 |      1 |       6 | online | 09:23:46  |       4 | 2023-11-17 |
|             31 |    100 |       4 | debit  | 12:50:57  |       7 | 2023-11-20 |
|             32 |      6 |       8 | online | 12:52:40  |       7 | 2023-11-20 |
|             33 |      7 |       8 | online | 12:53:55  |       7 | 2023-11-20 |
|             34 |    100 |       4 | debit  | 14:41:39  |       7 | 2023-11-22 |
|             35 |   1000 |       9 | online | 15:31:46  |       7 | 2023-11-23 |
|             36 |    200 |       4 | debit  | 15:34:10  |       7 | 2023-11-23 |
|             37 |    500 |       4 | online | 15:29:52  |       7 | 2023-11-24 |
|             38 |    300 |       4 | online | 15:33:39  |       7 | 2023-11-24 |
+----------------+--------+---------+--------+-----------+---------+------------+
35 rows in set (0.00 sec)
```

**After function call:**

**Rs 300 deducted from account 7 and debited to account 4**

```
mysql> select * from transaction;
+----------------+--------+---------+--------+-----------+---------+------------+
| transaction_id | amount | toAccNo | type   | timestamp | fromAcc | tdate      |
+----------------+--------+---------+--------+-----------+---------+------------+
|              1 |    200 |       4 | online | 18:27:42  |       4 | 2023-11-08 |
|              2 |    500 |       5 | online | 19:23:44  |       4 | 2023-11-08 |
|              3 |      1 |       3 | online | 22:04:56  |       4 | 2023-11-08 |
|              4 |      1 |       3 | online | 22:42:43  |       4 | 2023-11-08 |
|              5 |      1 |       4 | online | 23:15:17  |       4 | 2023-11-13 |
|              6 |      1 |       5 | online | 23:55:36  |       4 | 2023-11-13 |
|              7 |      1 |       3 | online | 23:57:59  |       4 | 2023-11-13 |
|              8 |      1 |       5 | online | 17:44:33  |       4 | 2023-11-14 |
|              9 |  10000 |       4 | online | 18:22:58  |       4 | 2023-11-14 |
|             12 |    600 |       4 | online | 18:32:30  |       4 | 2023-11-14 |
|             13 |   1000 |       4 | online | 18:35:30  |       4 | 2023-11-14 |
|             14 |      1 |       3 | online | 11:59:27  |       4 | 2023-11-15 |
|             15 |      1 |       3 | online | 11:59:45  |       4 | 2023-11-15 |
|             16 |      1 |       5 | online | 11:59:58  |       4 | 2023-11-15 |
|             17 |      1 |       3 | online | 12:00:16  |       4 | 2023-11-15 |
|             18 |      1 |       5 | online | 12:00:41  |       4 | 2023-11-15 |
|             19 |      1 |       5 | online | 12:00:47  |       4 | 2023-11-15 |
|             20 |      1 |       4 | online | 09:23:46  |       4 | 2023-11-16 |
|             21 |      2 |       4 | online | 10:59:16  |       4 | 2023-11-16 |
|             22 |      2 |       4 | online | 11:02:00  |       4 | 2023-11-16 |
|             23 |      2 |       4 | online | 11:44:21  |       7 | 2023-11-16 |
|             24 |      5 |       3 | online | 12:05:17  |       7 | 2023-11-16 |
|             25 |      2 |       4 | online | 12:06:44  |       7 | 2023-11-16 |
|             26 |      8 |       4 | online | 12:10:36  |       7 | 2023-11-16 |
|             27 |   1000 |       4 | online | 12:48:21  |       7 | 2023-11-16 |
|             29 |      1 |       3 | online | 09:09:20  |       4 | 2023-11-17 |
|             30 |      1 |       6 | online | 09:23:46  |       4 | 2023-11-17 |
|             31 |    100 |       4 | debit  | 12:50:57  |       7 | 2023-11-20 |
|             32 |      6 |       8 | online | 12:52:40  |       7 | 2023-11-20 |
|             33 |      7 |       8 | online | 12:53:55  |       7 | 2023-11-20 |
|             34 |    100 |       4 | debit  | 14:41:39  |       7 | 2023-11-22 |
|             35 |   1000 |       9 | online | 15:31:46  |       7 | 2023-11-23 |
|             36 |    200 |       4 | debit  | 15:34:10  |       7 | 2023-11-23 |
|             37 |    500 |       4 | online | 15:29:52  |       7 | 2023-11-24 |
|             38 |    300 |       4 | online | 15:33:39  |       7 | 2023-11-24 |
+----------------+--------+---------+--------+-----------+---------+------------+
35 rows in set (0.00 sec)
```

**Transaction id 38 has been added into transaction table**