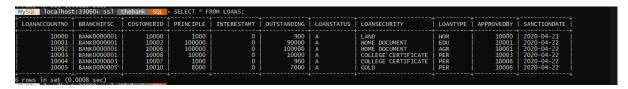
LOAN INTEREST UPDATE

The loan interest update procedure (refer setting up procedures for more info) make use of the view loan interest update (refer setting up views for more info) to fetch loan records and insert records into the loan interest records by calculating interests with help of the interest rates fetched from interest info table. The 'Loan Interest Update' page on the application contains a single button which updates the interest and this action is irreversible. This button call the procedure and interest is updated.

This is the initial loan table with all zero interest.



The loan interest record is initially empty.

```
MySQL localhost:33060+ ssl thebank SQL > SELECT * FROM LOANINTERESTRECORD;
Empty set (1.2009 sec)
MySQL localhost:33060+ ssl thebank SQL >
```

Now we click the loan interest update button



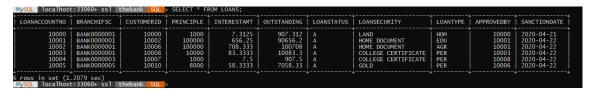
Console entry is made

```
LoanPayment ID : 10003 LoanAccNo : 10004LoanIFSC : BANK0000003A
Updated calculated interests on Loans for this month...
```

Now we observe the loan interest record table which contains the calculated interest.

```
set (1.2009 sec)
| localhost:33060+ ssl | thebank
                                                               SELECT * FROM LOANINTERESTRECORD;
LOANACCOUNTNO |
                       BRANCHIFSC
                                           TRANDATE
                                                               INTEREST
                                           2020-04-22
2020-04-22
2020-04-22
2020-04-22
                       BANK0000001
            10000
                                                                    3125
           10001
10002
                       BANK0000001
BANK0000001
                                                                656.25
708.333
83.3333
                       BANK000001
            10003
                                            2020-04-22
2020-04-22
                       BANK0000003
            10004
            10005
                       BANK0000005
```

Now we observe the Loans table the interest values are updated and added to the outstanding amount in loans table. (Refer setting up triggers for more info).



DEPOSIT INTEREST UPDATE

This procedure makes use of the view deposit interest info (refer setting up views for more info) to calculate interest with help of interest rate in interest info table.

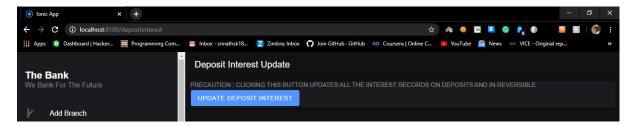
This is the initial records of accounts that are either fixed deposit accounts or recurring deposit accounts.



The deposit interest info table is initially empty

```
MySQL localhost:33060+ ssl | thebank | SQL | > SELECT * FROM DEPOSITINTERESTINFO;
Empty set (0.0006 sec)
MySQL localhost:33060+ ssl | thebank | SQL | > _
```

Now we click the deposit interest info button Deposit interest page. (This is an irreversible action).



We check for console entries

```
Updated calculated interests on Fixed and Recurring Deposits for this month...
```

The deposit interest info table is updated

```
MySQL localhost:33060+ ssl | thebank
                                                          > SELECT * FROM DEPOSITINTERESTINFO;
                  BRANCHIFSC
                                                       INTEREST
  ACCOUNTNO |
                                     TRANDATE
                                                        43.3125
3.0375
56.25
168.75
        10002
                  BANK0000001
                                     2020-04-22
2020-04-22
                  BANK0000005
                  BANK0000003
BANK0000002
                                     2020-04-22
2020-04-22
        10007
                                                          10 125
        10012
                  RANKOOOOO1
5 rows in set (0.0008 sec)
MySQL localhost:33060+ ssl thebank
```

Trigger updated the balance on these account by addition of interest. (Refer setting up triggers for more info).

