

## SETTING UP VIEWS

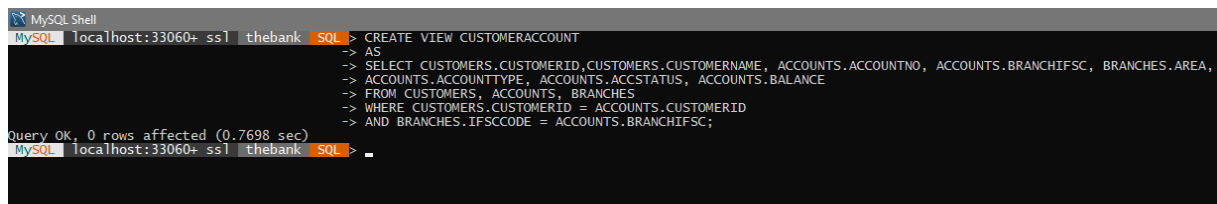
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### 1. CUSTOMER ACCOUNTS

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This view is used to return information when details of accounts of a given customer are requested.

```
CREATE VIEW CUSTOMERACCOUNT
AS
SELECT CUSTOMERS.CUSTOMERID,CUSTOMERS.CUSTOMERNAME,
ACCOUNTS.ACCOUNTNO, ACCOUNTS.BRANCHIFSC, BRANCHES.AREA,
ACCOUNTS.ACCOUNTTYPE, ACCOUNTS.ACCSTATUS, ACCOUNTS.BALANCE
FROM CUSTOMERS, ACCOUNTS, BRANCHES
WHERE CUSTOMERS.CUSTOMERID = ACCOUNTS.CUSTOMERID
AND BRANCHES.IFSCCODE = ACCOUNTS.BRANCHIFSC;
```



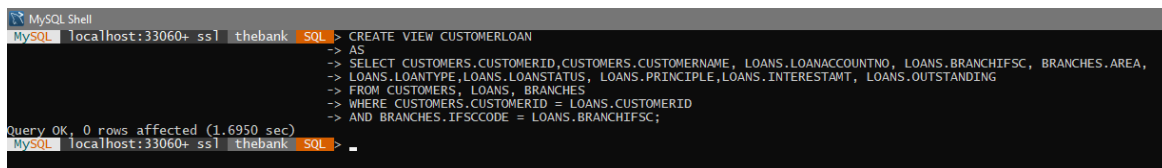
```
MySQL Shell
MySQL localhost:33060+ ssl thebank SQL> CREATE VIEW CUSTOMERACCOUNT
-> AS
-> SELECT CUSTOMERS.CUSTOMERID,CUSTOMERS.CUSTOMERNAME, ACCOUNTS.ACCOUNTNO, ACCOUNTS.BRANCHIFSC, BRANCHES.AREA,
-> ACCOUNTS.ACCOUNTTYPE, ACCOUNTS.ACCSTATUS, ACCOUNTS.BALANCE
-> FROM CUSTOMERS, ACCOUNTS, BRANCHES
-> WHERE CUSTOMERS.CUSTOMERID = ACCOUNTS.CUSTOMERID
-> AND BRANCHES.IFSCCODE = ACCOUNTS.BRANCHIFSC;
Query OK, 0 rows affected (0.7698 sec)
MySQL localhost:33060+ ssl thebank SQL> -
```

### 2. CUSTOMER LOANS

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This view is used to return information when details of loans of a given customer are requested.

```
CREATE VIEW CUSTOMERLOAN
AS
SELECT CUSTOMERS.CUSTOMERID,CUSTOMERS.CUSTOMERNAME,
LOANS.LOANACCOUNTNO, LOANS.BRANCHIFSC, BRANCHES.AREA,
LOANS.LOANTYPE,LOANS.LOANSTATUS, LOANS.PRINCIPLE,LOANS.INTERESTAMT,
LOANS.OUTSTANDING
FROM CUSTOMERS, LOANS, BRANCHES
WHERE CUSTOMERS.CUSTOMERID = LOANS.CUSTOMERID
AND BRANCHES.IFSCCODE = LOANS.BRANCHIFSC;
```



```
MySQL Shell
MySQL localhost:33060+ ssl thebank SQL> CREATE VIEW CUSTOMERLOAN
-> AS
-> SELECT CUSTOMERS.CUSTOMERID,CUSTOMERS.CUSTOMERNAME, LOANS.LOANACCOUNTNO, LOANS.BRANCHIFSC, BRANCHES.AREA,
-> LOANS.LOANTYPE,LOANS.LOANSTATUS, LOANS.PRINCIPLE,LOANS.INTERESTAMT, LOANS.OUTSTANDING
-> FROM CUSTOMERS, LOANS, BRANCHES
-> WHERE CUSTOMERS.CUSTOMERID = LOANS.CUSTOMERID
-> AND BRANCHES.IFSCCODE = LOANS.BRANCHIFSC;
Query OK, 0 rows affected (1.6950 sec)
MySQL localhost:33060+ ssl thebank SQL> -
```

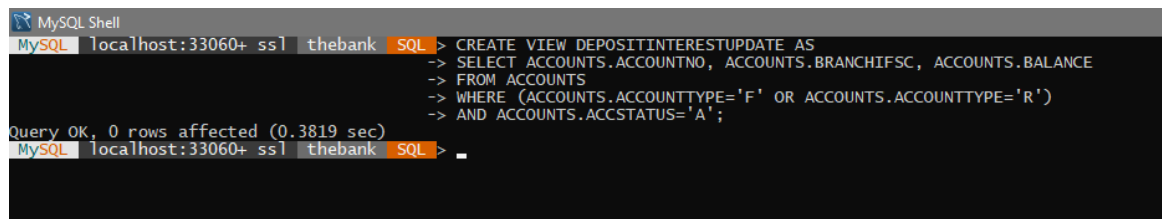
### 3. DEPOSIT INTEREST UPDATE

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This view is used to get account records when interest is to be added by procedures.

```
CREATE VIEW DEPOSITINTERESTUPDATE AS
SELECT ACCOUNTS.ACCOUNTNO, ACCOUNTS.BRANCHIFSC, ACCOUNTS.BALANCE
FROM ACCOUNTS
```

```
WHERE (ACCOUNTS.ACCOUNTTYPE='F'
OR ACCOUNTS.ACCOUNTTYPE='R')
AND ACCOUNTS.ACCSTATUS='A';
```



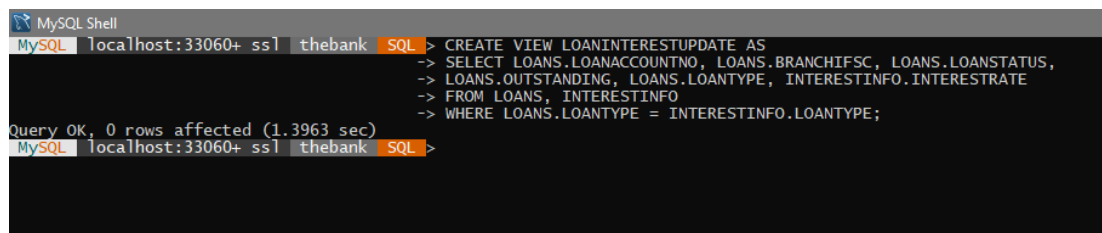
```
MySQL Shell
MySQL localhost:33060+ ssl thebank SQL> CREATE VIEW DEPOSITINTERESTUPDATE AS
-> SELECT ACCOUNTS.ACCOUNTNO, ACCOUNTS.BRANCHIFSC, ACCOUNTS.BALANCE
-> FROM ACCOUNTS
-> WHERE (ACCOUNTS.ACCOUNTTYPE='F' OR ACCOUNTS.ACCOUNTTYPE='R')
-> AND ACCOUNTS.ACCSTATUS='A';
Query OK, 0 rows affected (0.3819 sec)
MySQL localhost:33060+ ssl thebank SQL> _
```

#### 4. LOAN INTEREST UPDATE

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This view is used to get loan records when interest is to be added by procedures.

```
CREATE VIEW LOANINTERESTUPDATE AS
SELECT LOANS.LOANACCOUNTNO, LOANS.BRANCHIFSC, LOANS.LOANSTATUS,
LOANS.OUTSTANDING, LOANS.LOANTYPE, INTERESTINFO.INTERESTRATE
FROM LOANS, INTERESTINFO
WHERE LOANS.LOANTYPE = INTERESTINFO.LOANTYPE;
```



```
MySQL Shell
MySQL localhost:33060+ ssl thebank SQL> CREATE VIEW LOANINTERESTUPDATE AS
-> SELECT LOANS.LOANACCOUNTNO, LOANS.BRANCHIFSC, LOANS.LOANSTATUS,
-> LOANS.OUTSTANDING, LOANS.LOANTYPE, INTERESTINFO.INTERESTRATE
-> FROM LOANS, INTERESTINFO
-> WHERE LOANS.LOANTYPE = INTERESTINFO.LOANTYPE;
Query OK, 0 rows affected (1.3963 sec)
MySQL localhost:33060+ ssl thebank SQL>
```