

```
SELECT "LMSAUDITHISTView"."Primary_Key",  
"LMSAUDITHISTView"."Second_Key", "LMSAUDITHISTView"."Change_Time",  
"LMSAUDITHISTView"."User_id",
```

Commented [RKS1]: What is tLMSAUDITHISTView here? Is it auxiliary table? Please explain what tables/columns it consists?

```
"LMSAUDITHISTView"."Field_Name", "LMSAUDITHISTView"."Old_Data",  
"LMSAUDITHISTView"."New_Data", "LMSAUDITHISTView"."Table_Name",  
"LOANMAST"."SYSTEM_STATUS",
```

Commented [RKS2]: What is Field Name? We can see it frequently in the query. Is it table name or column name?

```
"LMSAUDITHISTView"."Change_Date", "COMPANY"."NEXT_NP_DATE",  
"LOANMAST"."LOAN_KIND", "LOANMAST"."LOAN"
```

```
FROM ("LMS"."dbo"."LMSAUDITHISTView" "LMSAUDITHISTView" INNER  
JOIN "LMS"."dbo"."LOANMAST" "LOANMAST" ON  
"LMSAUDITHISTView"."Primary_Key"="LOANMAST"."LOAN")
```

Commented [RKS3]: What is LMS.dbo?

```
INNER JOIN "LMS"."dbo"."COMPANY" "COMPANY" ON  
"LOANMAST"."COMPANY"="COMPANY"."COMPANY"
```

Commented [RKS4]: Is COMPANY a column name under table LOANMAST? What does COMPANY.COMPANY means?

```
WHERE ("LMSAUDITHISTView"."Table_Name"='BILLINFO' OR  
"LMSAUDITHISTView"."Table_Name"='LOANMAST' OR  
"LMSAUDITHISTView"."Table_Name"='WORKOUT')
```

Commented [RKS5]: Are WORKOUT, LOANMAST, BILLINFO tables under LMSAUDITHISTView?

```
AND ("LMSAUDITHISTView"."Field_Name"='ACCRUE_RATE' OR  
"LMSAUDITHISTView"."Field_Name"='APP_DATE' OR  
"LMSAUDITHISTView"."Field_Name"='APPROVAL_DATE'
```

```
OR "LMSAUDITHISTView"."Field_Name"='COMMIT_EXP_DATE' OR  
"LMSAUDITHISTView"."Field_Name"='COUNTRY_CAL' OR  
"LMSAUDITHISTView"."Field_Name"='CURR_AMZ_MONTHS'
```

```
OR "LMSAUDITHISTView"."Field_Name"='CURR_AUTHZD_AMT' OR  
"LMSAUDITHISTView"."Field_Name"='CURR_BALLOON' OR  
"LMSAUDITHISTView"."Field_Name"='CURR_COMP_FREQ'
```

```
OR "LMSAUDITHISTView"."Field_Name"='CURR_INST_AMT' OR  
"LMSAUDITHISTView"."Field_Name"='CURR_INT_FREQ' OR  
"LMSAUDITHISTView"."Field_Name"='CURR_INT_RATE'
```

```
OR "LMSAUDITHISTView"."Field_Name"='CURR_LOAN_TERM' OR  
"LMSAUDITHISTView"."Field_Name"='CURR_START_DATE' OR  
"LMSAUDITHISTView"."Field_Name"='CURRENCY'
```

OR 'LMSAUDITHISTView"."Field_Name"='CURRENT_PAY_INT' OR
"LMSAUDITHISTView"."Field_Name"='DATE_ACQUIRED' OR
"LMSAUDITHISTView"."Field_Name"='DEF_CALC_TYPE'

OR 'LMSAUDITHISTView"."Field_Name"='EST_CLOSE_DATE' OR
"LMSAUDITHISTView"."Field_Name"='LANGUAGE_TYPE' OR
"LMSAUDITHISTView"."Field_Name"='LOAN_NAME'

OR 'LMSAUDITHISTView"."Field_Name"='LOAN_STATUS' OR
"LMSAUDITHISTView"."Field_Name"='LOCK_DATE' OR
"LMSAUDITHISTView"."Field_Name"='MAT_DATE'

OR 'LMSAUDITHISTView"."Field_Name"='METHOD' OR
"LMSAUDITHISTView"."Field_Name"='NOTE_DATE' OR
"LMSAUDITHISTView"."Field_Name"='PCT_OF_INT'

OR 'LMSAUDITHISTView"."Field_Name"='PRICE_SPRD' OR
"LMSAUDITHISTView"."Field_Name"='PURCHASE_PRICE' OR
"LMSAUDITHISTView"."Field_Name"='RECORD_ADDED'

OR 'LMSAUDITHISTView"."Field_Name"='RECORDED_DELETE' OR
"LMSAUDITHISTView"."Field_Name"='RECOV_PROCEDURE' OR
"LMSAUDITHISTView"."Field_Name"='REGION'

OR 'LMSAUDITHISTView"."Field_Name"='SALE_AMOUNT' OR
"LMSAUDITHISTView"."Field_Name"='ST_INV_CODE' OR
"LMSAUDITHISTView"."Field_Name"='WORKOUT')

AND 'LOANMAST"."SYSTEM_STATUS"='ACTIVE' AND
"LMSAUDITHISTView"."User_id"<>'NIGHTLY_PROCESS' AND
('LOANMAST"."LOAN_KIND"<>'RESIDENTIAL'

OR 'LOANMAST"."LOAN_KIND"='RESIDENTIAL') AND (CHANGE_DATE
= '04/26/2018')

ORDER BY "LMSAUDITHISTView"."Primary_Key",
"LMSAUDITHISTView"."Second_Key"

Commented [RKS6]: Why user id NIGHTLY_PROCESS has been excluded from the report?

Commented [RKS7]: Why user id RESIDENTIAL has been excluded from the report?

Commented [RKS8]: What is CHANGE DATE here?

Commented [RKS9]: Why second key is blank in the output report and it is referring to which column in the report?

```

SELECT "LMSAUDITHISTView". "Primary_Key",
       "LMSAUDITHISTView". "Second_Key",
       "LMSAUDITHISTView". "Change_Time",
       "LMSAUDITHISTView". "User_id",
       "LMSAUDITHISTView". "Field_Name",
       "LMSAUDITHISTView". "Old_Data",
       "LMSAUDITHISTView". "New_Data",
       "LMSAUDITHISTView". "Table_Name",
       "LOANMAST". "SYSTEM_STATUS",
       "LMSAUDITHISTView". "Change_Date",
       "COMPANY". "NEXT_NP_DATE",
       "LOANMAST". "LOAN_KIND",
       "LOANMAST". "LOAN"
FROM ( "LMS". "dbo". "LMSAUDITHISTView" "LMSAUDITHISTView"
INNER JOIN "LMS". "dbo". "LOANMAST" "LOANMAST" ON "LMSAUDITHISTView". "Primary_Key" =
"LOANMAST". "LOAN" )
INNER JOIN "LMS". "dbo". "COMPANY" "COMPANY" ON "LOANMAST". "COMPANY" = "COMPANY". "COMPANY"
WHERE ( "LMSAUDITHISTView". "Table_Name" = 'BILLINFO'
OR "LMSAUDITHISTView". "Table_Name" = 'LOANMAST'
OR "LMSAUDITHISTView". "Table_Name" = 'WORKOUT' )
AND (

```

1a. Define of LMSAUDITHISTView (sql script + usage, etc.)

1b. Clarify any calculations, constraints including:

- WHERE statement,

- GROUP BY,

- stored procedures, triggers, user-defined functions etc.)

1c. Define all columns incl. PRIMARY KEY, SECOND KEY in VIEW

1d. Define all underlying TABLES (permanent and temporary) and VIEWS

2a. Define LOANMAST

2b. Describe all columns

2c. Describe data source, update frequency, etc.

3a. Define COMPANY

3b. Describe all columns

3c. Describe data source, update frequency, etc.

```

"LMSAUDITHISTView". "Field_Name" = 'ACCRUE_RATE'
OR "LMSAUDITHISTView". "Field_Name" = 'APP_DATE'
OR "LMSAUDITHISTView". "Field_Name" = 'APPROVAL_DATE'
OR "LMSAUDITHISTView". "Field_Name" = 'COMMIT_EXP_DATE'
OR "LMSAUDITHISTView". "Field_Name" = 'COUNTRY_CAL'
OR "LMSAUDITHISTView". "Field_Name" = 'CURR_AMZ_MONTHS'
OR "LMSAUDITHISTView". "Field_Name" = 'CURR_AUTHZD_AMT'
OR "LMSAUDITHISTView". "Field_Name" = 'CURR_BALLOON'
OR "LMSAUDITHISTView". "Field_Name" = 'CURR_COMP_FREQ'
OR "LMSAUDITHISTView". "Field_Name" = 'CURR_INST_AMT'
OR "LMSAUDITHISTView". "Field_Name" = 'CURR_INT_FREQ'
OR "LMSAUDITHISTView". "Field_Name" = 'CURR_INT_RATE'
OR "LMSAUDITHISTView". "Field_Name" = 'CURR_LOAN_TERM'
OR "LMSAUDITHISTView". "Field_Name" = 'CURR_START_DATE'
OR "LMSAUDITHISTView". "Field_Name" = 'CURRENCY'
OR "LMSAUDITHISTView". "Field_Name" = 'CURRENT_PAY_INT'
OR "LMSAUDITHISTView". "Field_Name" = 'DATE_ACQUIRED'
OR "LMSAUDITHISTView". "Field_Name" = 'DEF_CALC_TYPE'
OR "LMSAUDITHISTView". "Field_Name" = 'EST_CLOSE_DATE'
OR "LMSAUDITHISTView". "Field_Name" = 'LANGUAGE_TYPE'
OR "LMSAUDITHISTView". "Field_Name" = 'LOAN_NAME'
OR "LMSAUDITHISTView". "Field_Name" = 'LOAN_STATUS'
OR "LMSAUDITHISTView". "Field_Name" = 'LOCK_DATE'
OR "LMSAUDITHISTView". "Field_Name" = 'MAT_DATE'
OR "LMSAUDITHISTView". "Field_Name" = 'METHOD'
OR "LMSAUDITHISTView". "Field_Name" = 'NOTE_DATE'
OR "LMSAUDITHISTView". "Field_Name" = 'PCT_OF_INT'
OR "LMSAUDITHISTView". "Field_Name" = 'PRICE_SPRD'
OR "LMSAUDITHISTView". "Field_Name" = 'PURCHASE_PRICE'
OR "LMSAUDITHISTView". "Field_Name" = 'RECORD_ADDED'
OR "LMSAUDITHISTView". "Field_Name" = 'RECORDED_DELETE'
OR "LMSAUDITHISTView". "Field_Name" = 'RECOV_PROCEDURE'
OR "LMSAUDITHISTView". "Field_Name" = 'REGION'
OR "LMSAUDITHISTView". "Field_Name" = 'SALE_AMOUNT'
OR "LMSAUDITHISTView". "Field_Name" = 'ST_INV_CODE'
OR "LMSAUDITHISTView". "Field_Name" = 'WORKOUT'

```

4. Explain the net result of OR in this INNER JOIN (e.g. is this equivalent to a UNION?)

```

)
AND "LOANMAST". "SYSTEM_STATUS" = 'ACTIVE'
AND "LMSAUDITHISTView". "User_id" <> 'NIGHTLY_PROCESS'
AND (
"LOANMAST". "LOAN_KIND" <> 'RESIDENTIAL'
OR "LOANMAST". "LOAN_KIND" = 'RESIDENTIAL'
)

```

5. Explain why 'NIGHTLY_PROCESS' must be excluded

6. Explain the net result of this clause

```
AND CHANGE_DATE = '04/26/2018'
```

```
ORDER BY "LMSAUDITHISTView".Primary_Key, "LMSAUDITHISTView".Second_Key"
```

7. Ignore if already answered in 1. is this the date when "old data" was changed to "new data"?

8a. Is "Second Key" always NULL
8b. If yes, confirm its usage (e.g. sorting sequence?)