CREATING GL JOURNAL USING INTERFACE:

- When referring to an Open Interface in the context of the GL (General Ledger) module, it typically means a mechanism or set of tables that allow you to import journal entries or other accounting data into the General Ledger system from external sources (like third-party applications, other Oracle modules, or custom applications).
- Import Job refers to the process of bringing external data, typically journal entries.

TO LOAD THE DATA IN BASE TABLES WE HAVE TO LOAD THE DATA IN INTERFACE TABLE AND THEN RUN THE JOURNAL IMPORT PROGRAM.

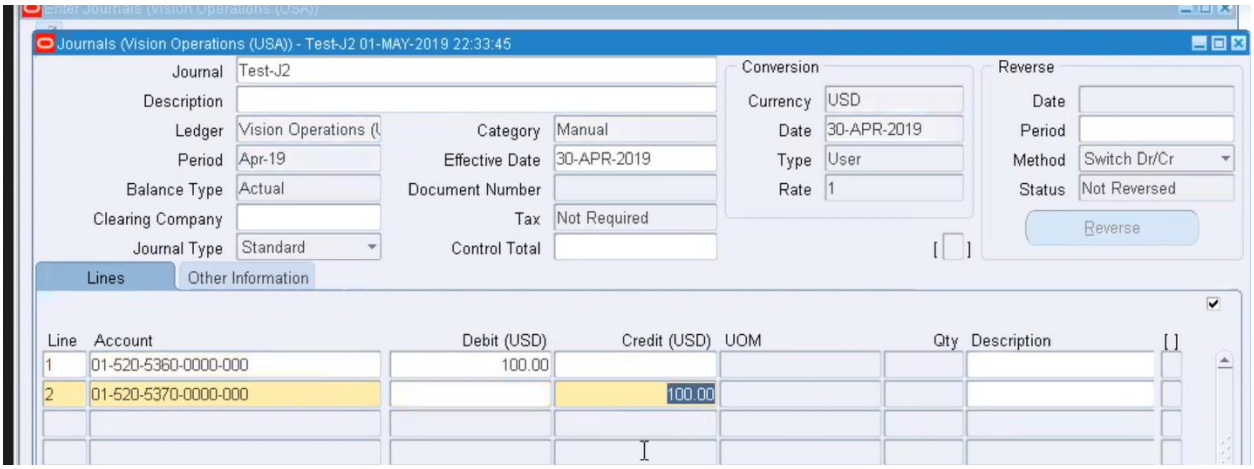
Interface/Conversion-Guidelines

- DataFile - Format
- Periodicity(Frequency)
- Validation and Reprocessing
- Error Log Mechanism
- Purging the stage/interface tables
- Reconciliation Reports
- Performance

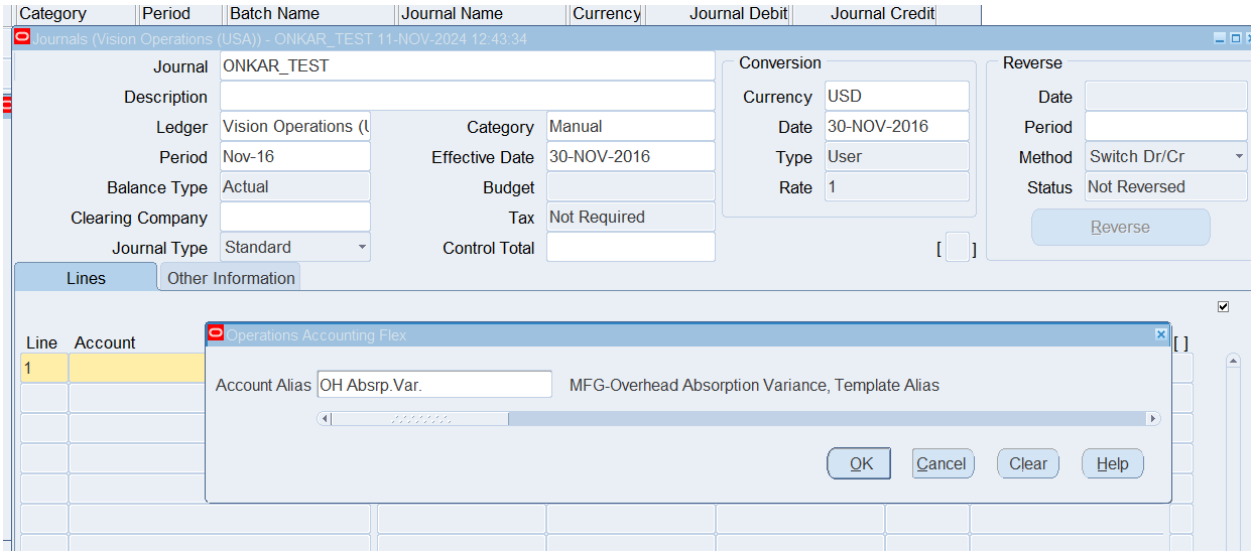
purging data from an interface table refers to the process of removing or deleting data that has already been processed or is no longer required in the interface table

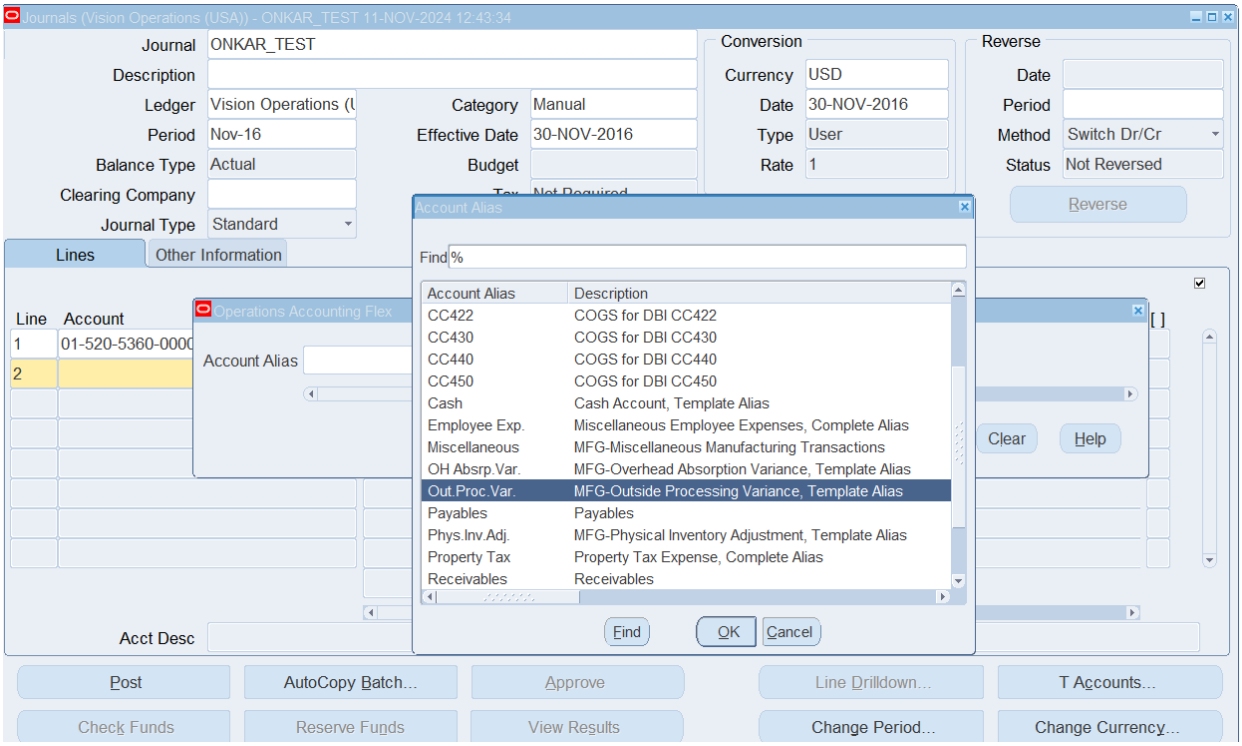
1. CREATING TEST JOURNAL SO THAT WE CAN CHECK DATA IN BASE TABLE:

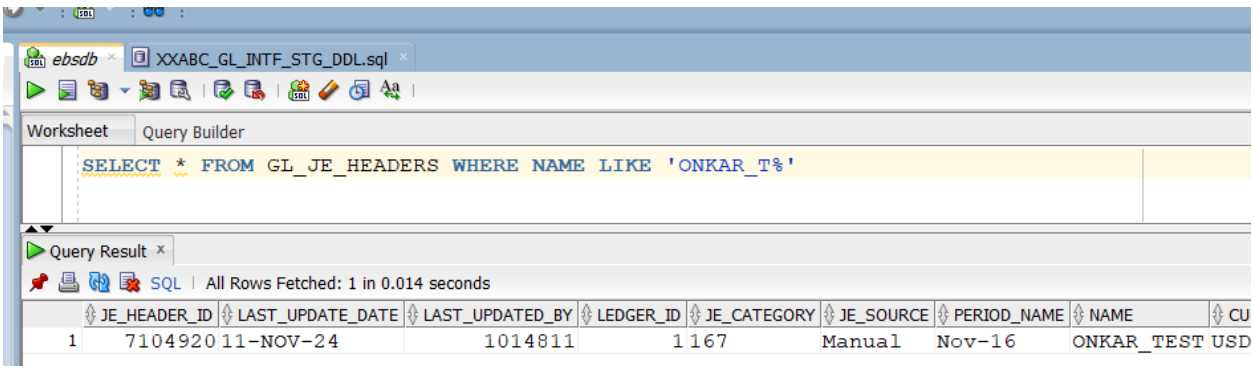
MAIN:



E.G. ACCOUNT==> [[

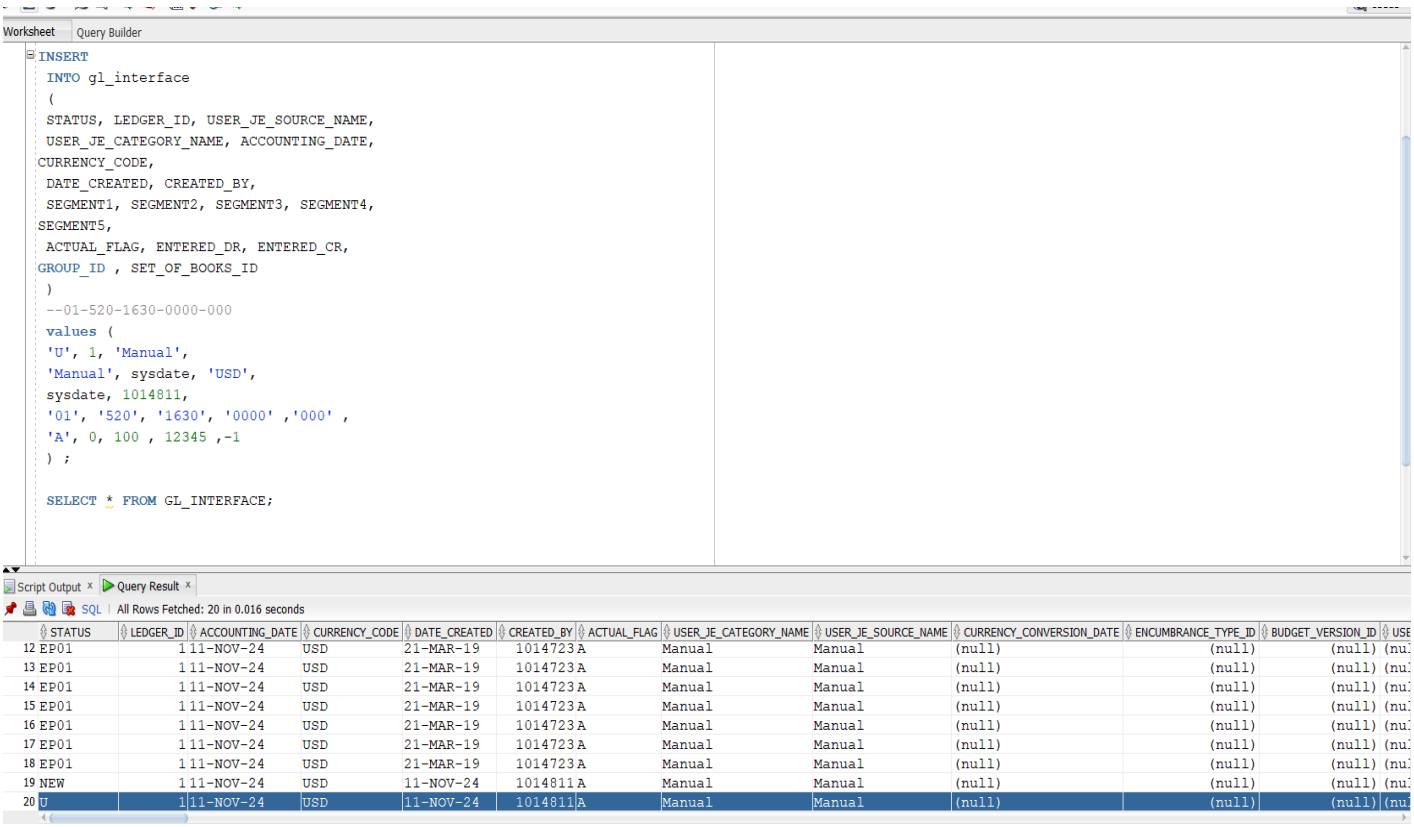

Category
Period
Batch Name
Journal Name
Currency
Journal Debit
Journal Credit
Journals (Vision Operations (USA)) - ONKAR_TEST 11-NOV-2024 12:43:34
Journal
ONKAR_TEST
Description
Ledger
Vision Operations (
Period
Nov-16
Balance Type
Actual
Clearing Company
Journal Type
Standard
Category
Manual
Effective Date
30-NOV-2016
Budget
Tax
Not Required
Control Total
Conversion
Currency
USD
Date
30-NOV-2016
Type
User
Rate
1
Reverse
Date
Period
Method
Switch Dr/Cr
Status
Not Reversed
Reverse
Lines
Other Information
Line
Account
1
Operations Accounting Flex
Account Alias
OH Absrp.Var.
MFG-Overhead Absorption Variance, Template Alias
OK
Cancel
Clear
Help


Journals (Vision Operations (USA)) - ONKAR_TEST 11-NOV-2024 12:43:34
Journal
ONKAR_TEST
Description
Ledger
Vision Operations (
Period
Nov-16
Balance Type
Actual
Clearing Company
Journal Type
Standard
Category
Manual
Effective Date
30-NOV-2016
Budget
Conversion
Currency
USD
Date
30-NOV-2016
Type
User
Rate
1
Reverse
Date
Period
Method
Switch Dr/Cr
Status
Not Reversed
Reverse
Lines
Other Information
Line
Account
1
01-520-5360-0000
2
Operations Accounting Flex
Account Alias
Account Alias
Find
%
Account Alias
Description
CC422
COGS for DBI CC422
CC430
COGS for DBI CC430
CC440
COGS for DBI CC440
CC450
COGS for DBI CC450
Cash
Cash Account, Template Alias
Employee Exp.
Miscellaneous Employee Expenses, Complete Alias
Miscellaneous
MFG-Miscellaneous Manufacturing Transactions
OH Absrp.Var.
MFG-Overhead Absorption Variance, Template Alias
Out.Proc.Var.
MFG-Outside Processing Variance, Template Alias
Payables
Payables
Phys.Inv.Adj.
MFG-Physical Inventory Adjustment, Template Alias
Property Tax
Property Tax Expense, Complete Alias
Receivables
Receivables
Find
OK
Cancel
Clear
Help
Acct Desc
Post
AutoCopy Batch...
Approve
Line Drilldown...
T Accounts...
Check Funds
Reserve Funds
View Results
Change Period...
Change Currency...


ebsdb
XXABC_GL_INTF_STG_DDL.sql
Worksheet
Query Builder
SELECT * FROM GL_JE_HEADERS WHERE NAME LIKE 'ONKAR_T%'
Query Result
SQL
All Rows Fetched: 1 in 0.014 seconds
JE_HEADER_ID
LAST_UPDATE_DATE
LAST_UPDATED_BY
LEDGER_ID
JE_CATEGORY
JE_SOURCE
PERIOD_NAME
NAME
CU
1
7104920
11-NOV-24
1014811
1167
Manual
Nov-16
ONKAR_TEST
USD

]]

2. INSERTING VALUES IN INTERFACE TABLE(GL_interface):



```
INSERT
 INTO gl_interface
 (
 STATUS, LEDGER_ID, USER_JE_SOURCE_NAME,
 USER_JE_CATEGORY_NAME, ACCOUNTING_DATE,
CURRENCY_CODE,
 DATE_CREATED, CREATED_BY,
 SEGMENT1, SEGMENT2, SEGMENT3, SEGMENT4,
SEGMENT5,
 ACTUAL_FLAG, ENTERED_DR, ENTERED_CR,
GROUP_ID , SET_OF_BOOKS_ID
 )
 --01-520-1630-0000-000
 values (
 'U', 1, 'Manual',
 'Manual', sysdate, 'USD',
 sysdate, 1014811,
 '01', '520', '1630', '0000' ,'000' ,
 'A', 0, 100 , 12345 ,-1
 ) ;

 SELECT * FROM GL_INTERFACE;
```

Script Output | Query Result | SQL | All Rows Fetched: 20 in 0.016 seconds

	STATUS	LEDGER_ID	ACCOUNTING_DATE	CURRENCY_CODE	DATE_CREATED	CREATED_BY	ACTUAL_FLAG	USER_JE_CATEGORY_NAME	USER_JE_SOURCE_NAME	CURRENCY_CONVERSION_DATE	ENCUMBRANCE_TYPE_ID	BUDGET_VERSION_ID	USE
12	EP01	1	11-NOV-24	USD	21-MAR-19	1014723	A	Manual	Manual	(null)	(null)	(null)	(nu
13	EP01	1	11-NOV-24	USD	21-MAR-19	1014723	A	Manual	Manual	(null)	(null)	(null)	(nu
14	EP01	1	11-NOV-24	USD	21-MAR-19	1014723	A	Manual	Manual	(null)	(null)	(null)	(nu
15	EP01	1	11-NOV-24	USD	21-MAR-19	1014723	A	Manual	Manual	(null)	(null)	(null)	(nu
16	EP01	1	11-NOV-24	USD	21-MAR-19	1014723	A	Manual	Manual	(null)	(null)	(null)	(nu
17	EP01	1	11-NOV-24	USD	21-MAR-19	1014723	A	Manual	Manual	(null)	(null)	(null)	(nu
18	EP01	1	11-NOV-24	USD	21-MAR-19	1014723	A	Manual	Manual	(null)	(null)	(null)	(nu
19	NEW	1	11-NOV-24	USD	11-NOV-24	1014811	A	Manual	Manual	(null)	(null)	(null)	(nu
20	U	1	11-NOV-24	USD	11-NOV-24	1014811	A	Manual	Manual	(null)	(null)	(null)	(nu

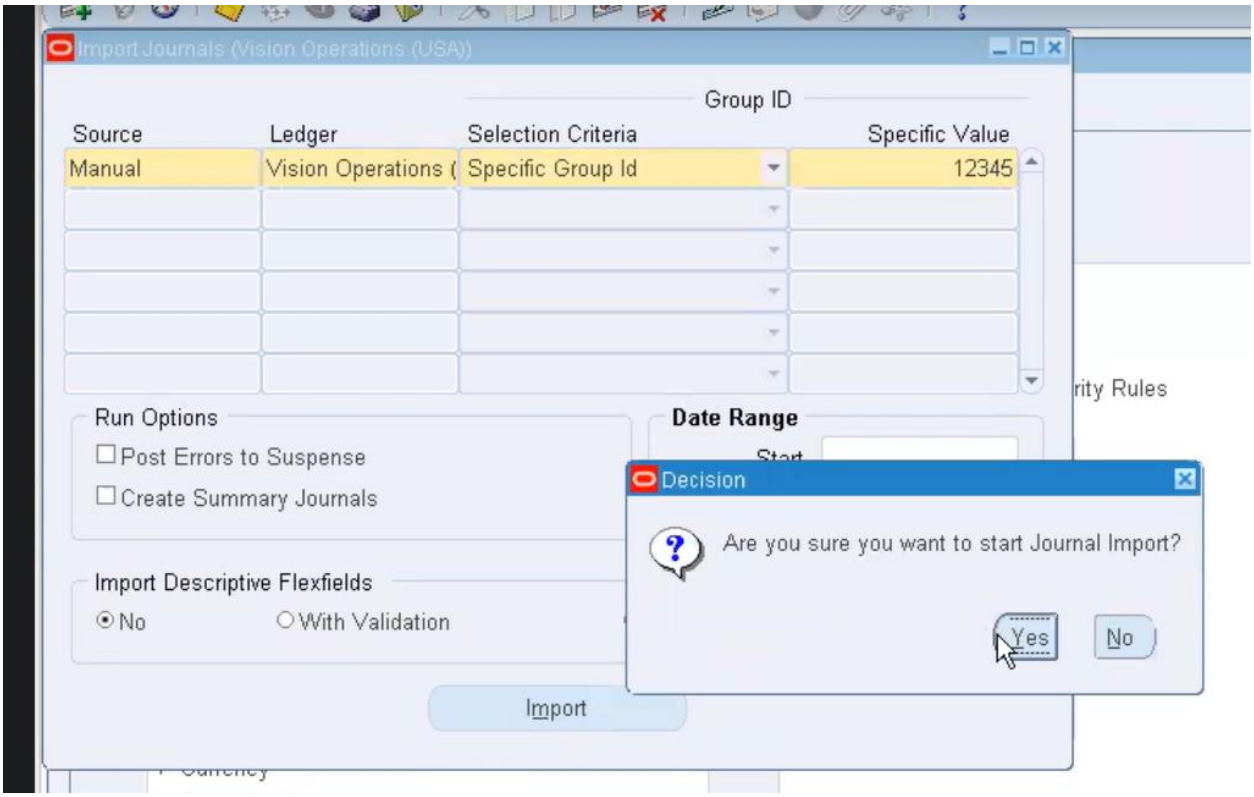
INSERT INTO gl_interface (STATUS, LEDGER_ID, USER_JE_SOURCE_NAME, USER_JE_CATEGORY_NAME, ACCOUNTING_DATE, CURRENCY_CODE, DATE_CREATED, CREATED_BY, SEGMENT1, SEGMENT2, SEGMENT3, SEGMENT4, SEGMENT5, ACTUAL_FLAG, ENTERED_DR, ENTERED_CR, GROUP_ID , SET_OF_BOOKS_ID)

--01-520-1630-0000-000 values ('NEW', 1, 'Manual', 'Manual', sysdate, 'USD', sysdate, 1014723, '01', '520', '1630', '0000' ,'000' , 'A', 0, 100 , 12345 ,-1) ;

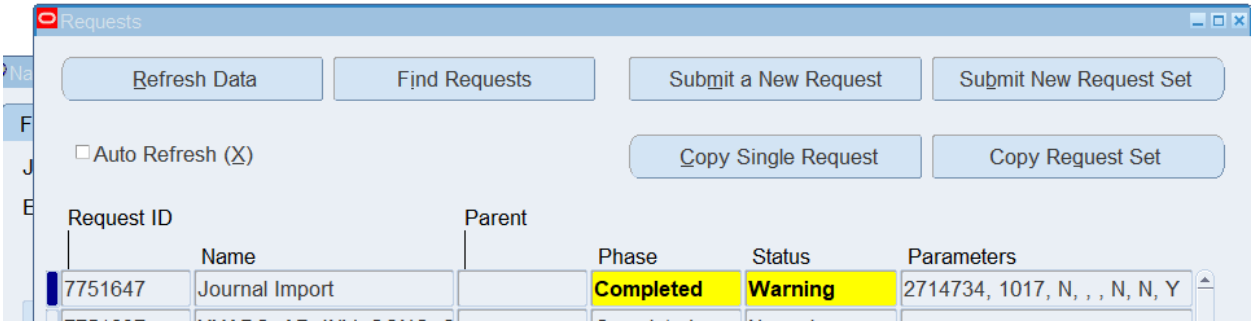
3. RUN THE ‘GL INTERFACE IMPORT PROGRAM’ :

GL Interface Import program plays a critical role in ensuring that the data is correctly prepared, validated, and ready for posting into the GL.

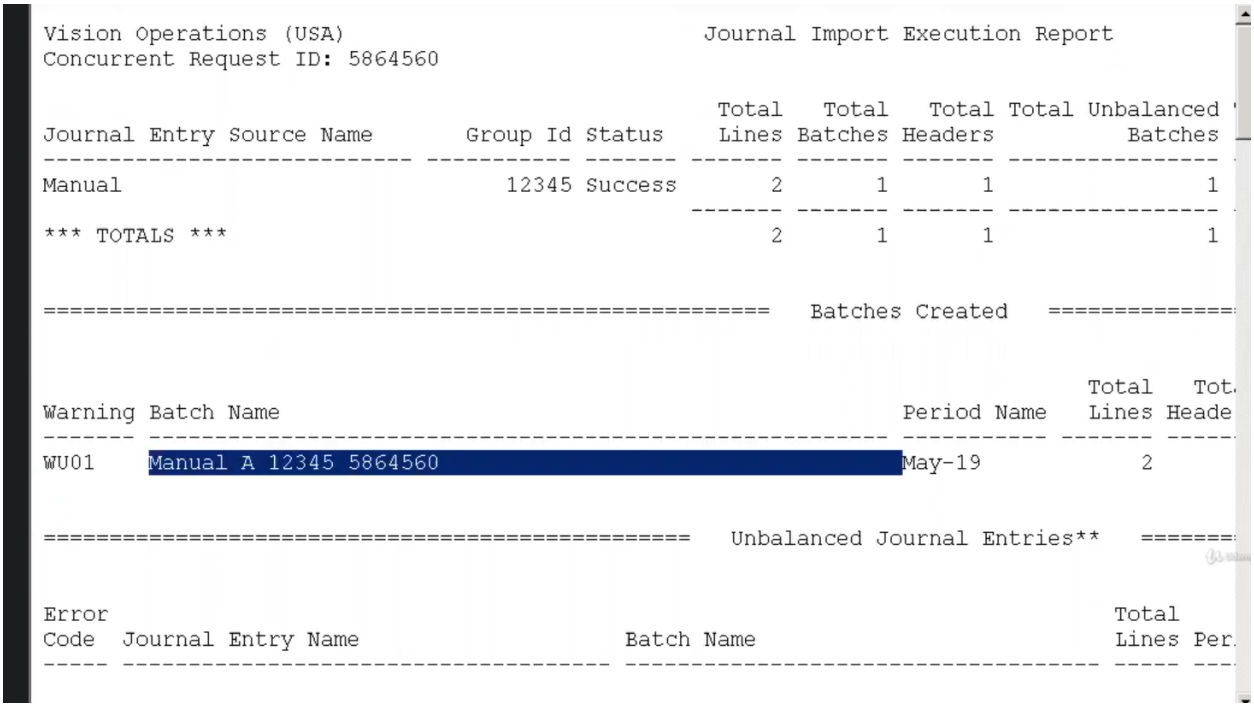
GENERAL LEG, VISION OP.(USA) >JOURNALS> IMPORT>RUN

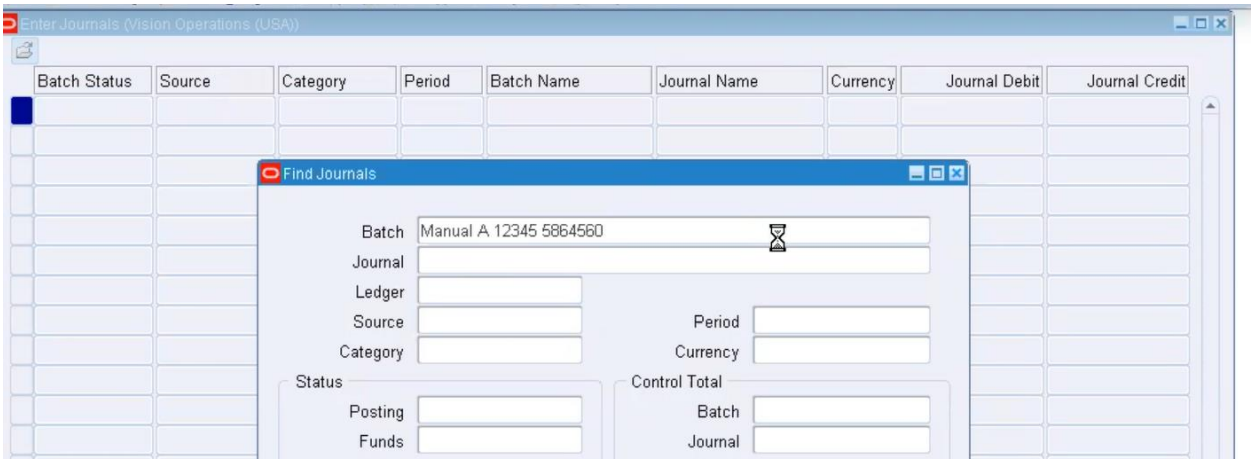

Import Journals (Vision Operations (USA))
Group ID
Source
Ledger
Selection Criteria
Specific Value
Manual
Vision Operations (
Specific Group Id
12345
Run Options
Post Errors to Suspense
Create Summary Journals
Date Range
Import Descriptive Flexfields
No
With Validation
Import
Decision
Are you sure you want to start Journal Import?
Yes
No


Import Journals (Vision Operations (USA))
Group ID
Source
Ledger
Selection Criteria
Specific Value
Manual
Vision Operations (
Specific Group Id
12345
Run Options
Post Errors to Suspense
Create Summary Journals
Date Range
Import Descriptive Flexfields
No
With Validation
Import
Note
Your concurrent request ID is 7751647.
OK

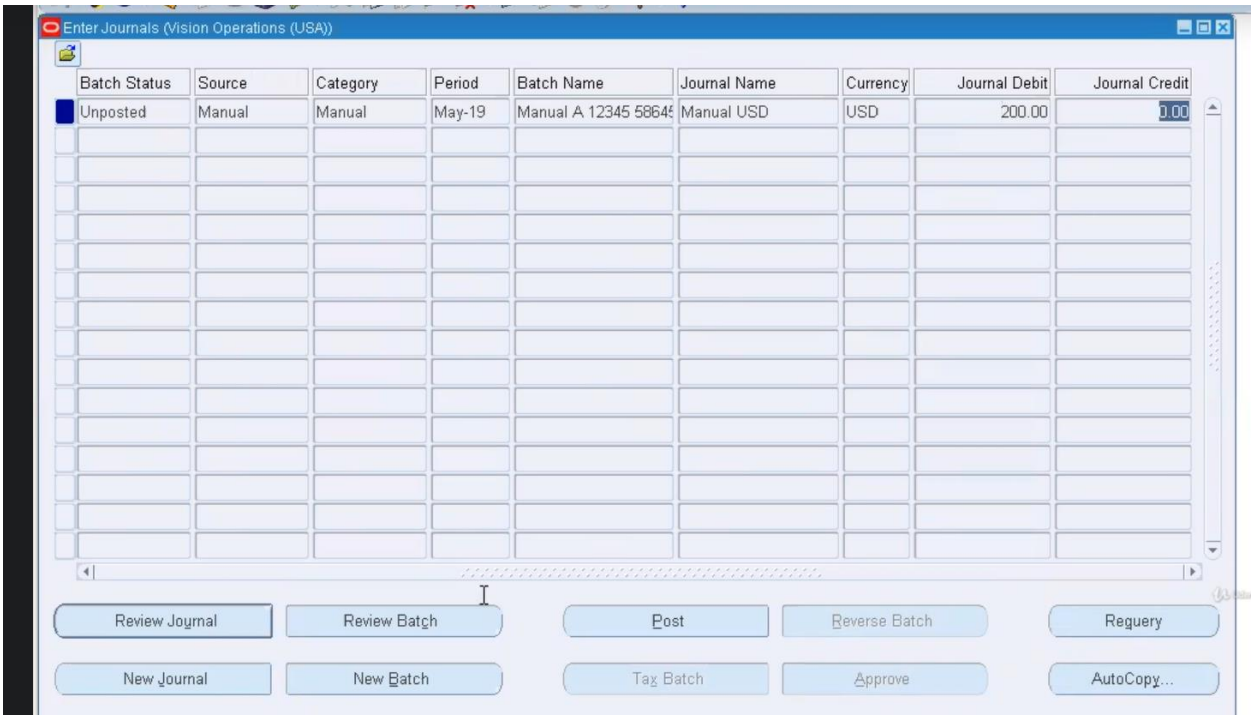


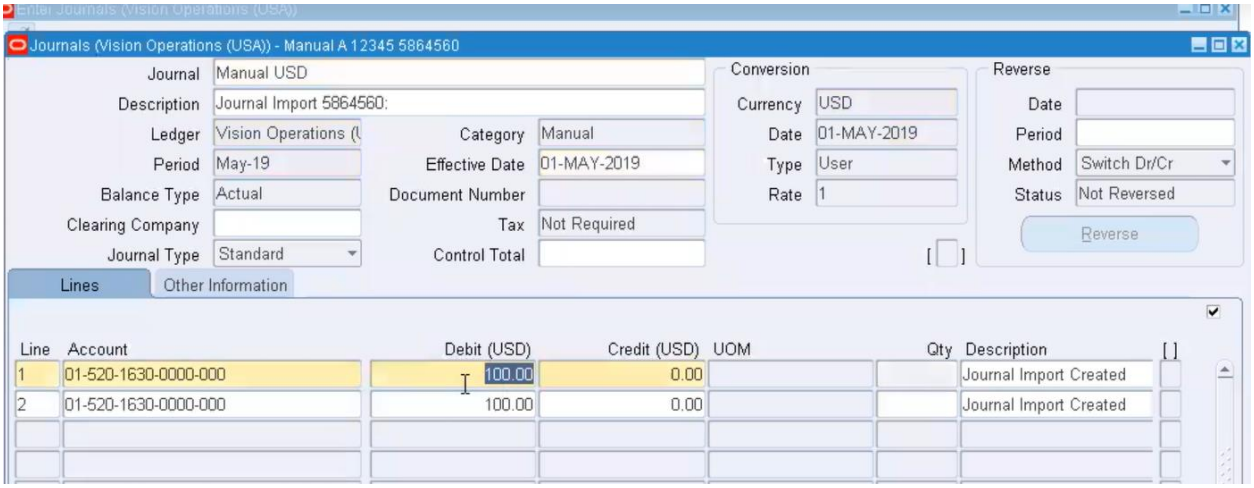
VIEW OUTPUT AND COPY THE BATCH NAME AND THEN GO TO 'JOURNALS>ENTER':





CLICK REVIEW JOURNAL:





CHANGE THE VALUES IN ’INSERT INTO gl_interface ’(step 2) (SCRIPT IS ALREADY RIGHT AS PER THE AUTHOR).

NOW RUN THE REQUEST AGAIN.

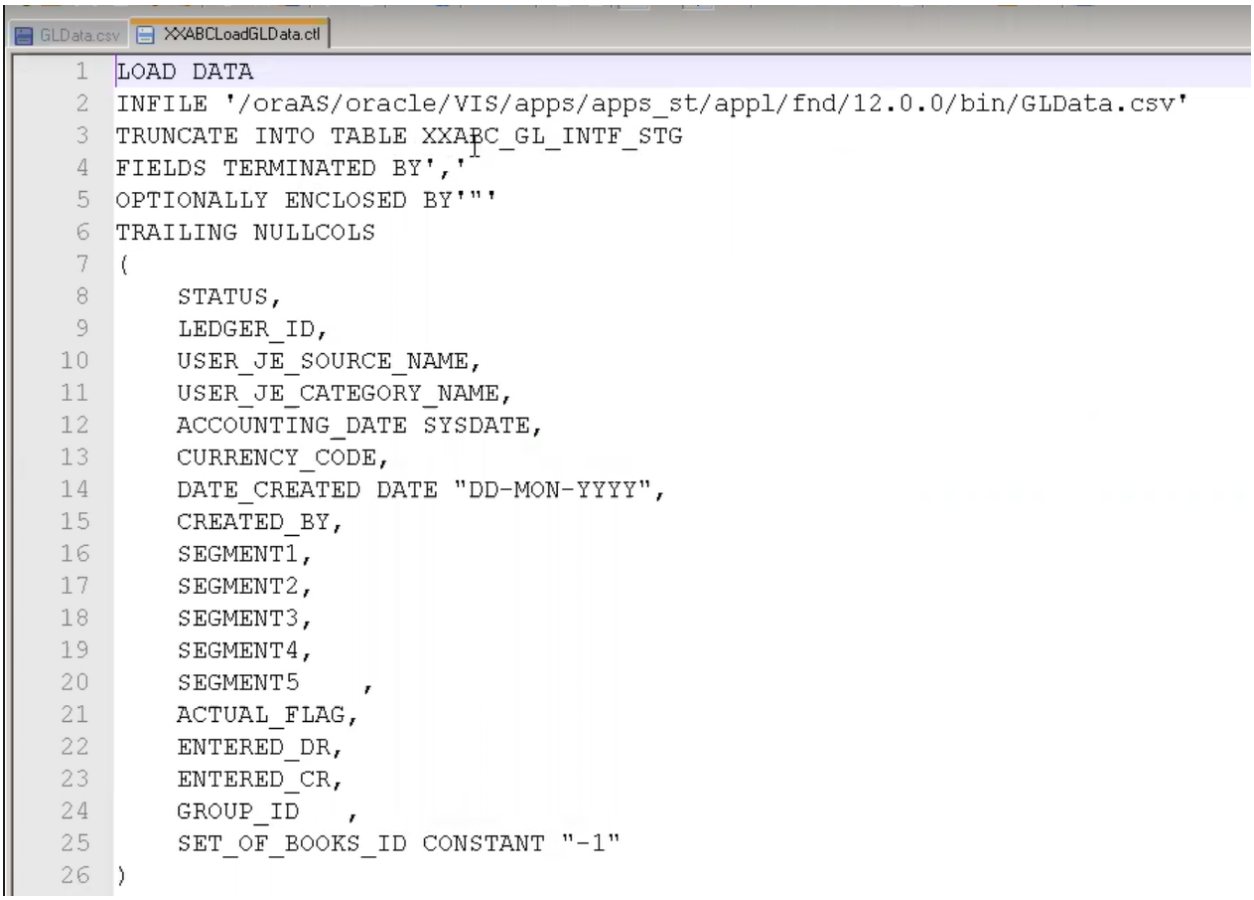
MAIN IMPLEMENTATION:

Step2

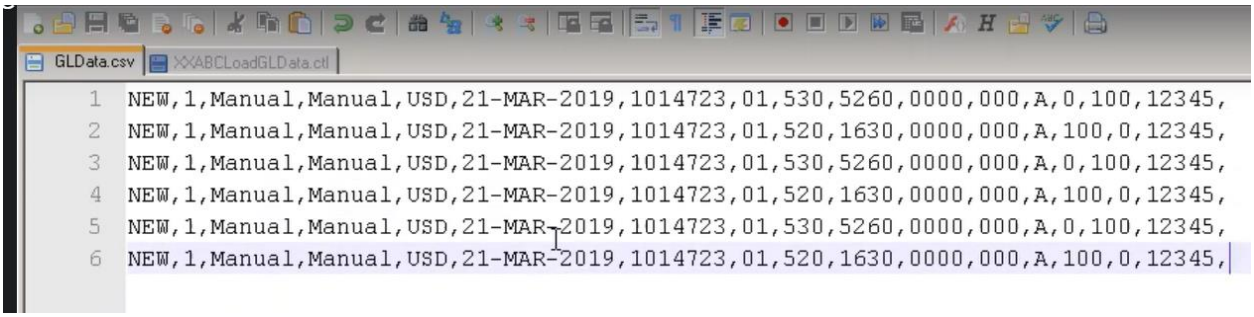
- Load Data into staging table using : SQLLoader
- Load Data into Interface table by using :INSERT statement

insert into gl_interface select * from XXABC_GL_INTF_STG ;

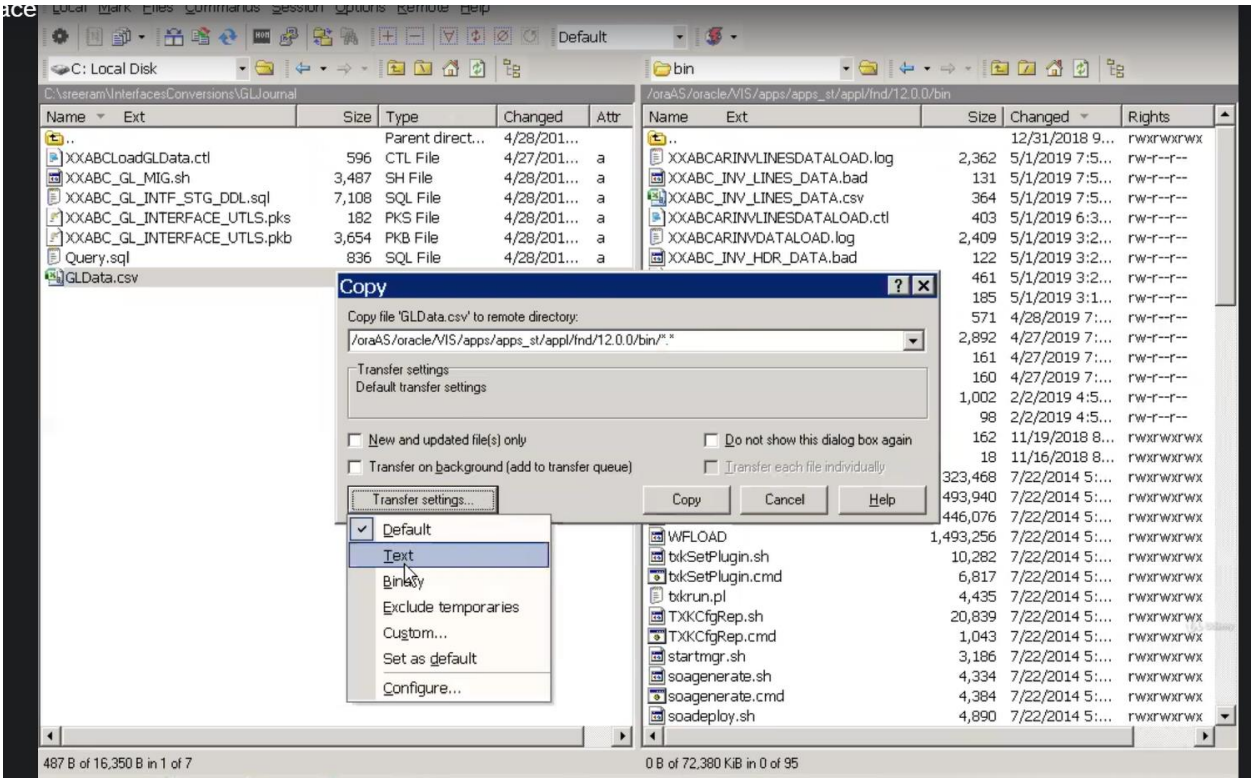
CTRL FILE:



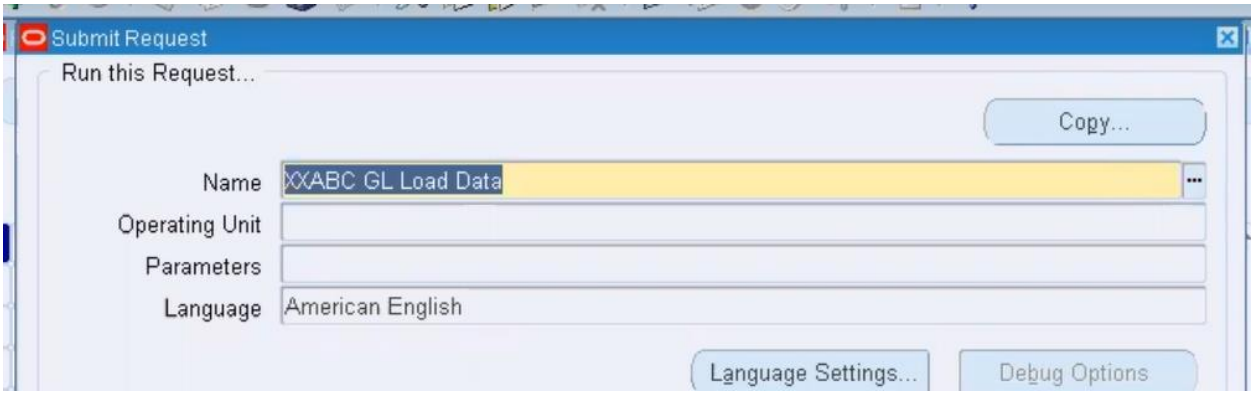
DATA FILE:



LOCAL TO SERVER: (DATA FILE SHOULD BE IN TEXT FORMAT)



NOW RUN THE CONC PROGRAM FOR SQLLOADER FILE:



DATA LOADED IN STAGING TABLE:

```
2
3  select * from XXABC_GL_INTF_STG ;
4
5   delete from gl_interface;
6
7  delete from XXABC_GL_INTF_STG ;
```

Script Output | Query Result

SQL | All Rows Fetched: 6 in 0.031 seconds

	STATUS	LEDGER_ID	ACCOUNTING_DATE	CURRENCY_CODE	DATE_CREATED	CREATED_BY	ACTUAL_FLAG	USER_JE_CATEGORY_NAME
1	NEW		01-MAY-19	USD	21-MAR-19	1014723A	Manual	M
2	NEW		01-MAY-19	USD	21-MAR-19	1014723A	Manual	M
3	NEW		01-MAY-19	USD	21-MAR-19	1014723A	Manual	M
4	NEW		01-MAY-19	USD	21-MAR-19	1014723A	Manual	M
5	NEW		01-MAY-19	USD	21-MAR-19	1014723A	Manual	M
6	NEW		01-MAY-19	USD	21-MAR-19	1014723A	Manual	M

NOW THIS RECORDS FROM STAGING TABLE SHOULD BE COPIED INTO OUR GL INTERFACE TABLE FOR THAT WE HAVE PLSQL API:

ebsdb | XXABC_GL_INTF_STG_DDL.sql | XXABC_GL_INTERFACE_UTLS.pkb | XXABC_GL_INTERFACE_UTLS.pks

Code | History

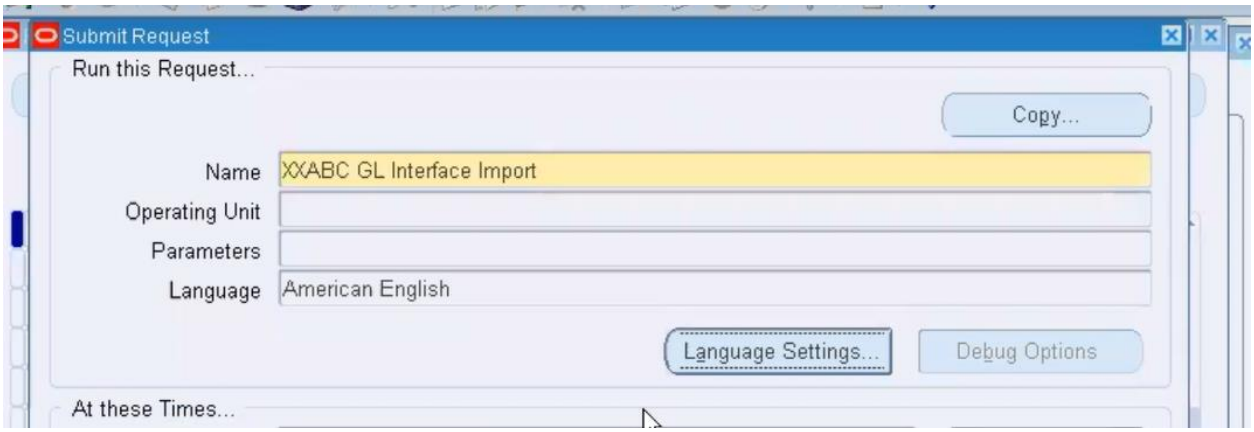
```
Create or replace package   XXABC_GL_INTERFACE_UTLS
IS
PROCEDURE IMPORT_JOURNAL_PROC

(
    errbuf  VARCHAR2,
    retcode VARCHAR2 );

END XXABC_GL_INTERFACE_UTLS ;
/
EXIT;
```

ebsdb | XXABC_GL_INTF_STG_DDL.sql | XXABC_GL_INTERFACE_UTLS.pkb | XXABC_GL_INTERFACE_UTLS.pks

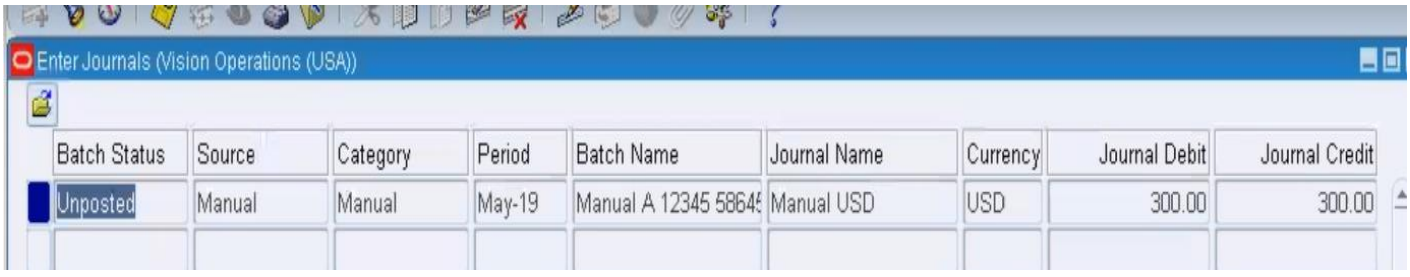
Code | History

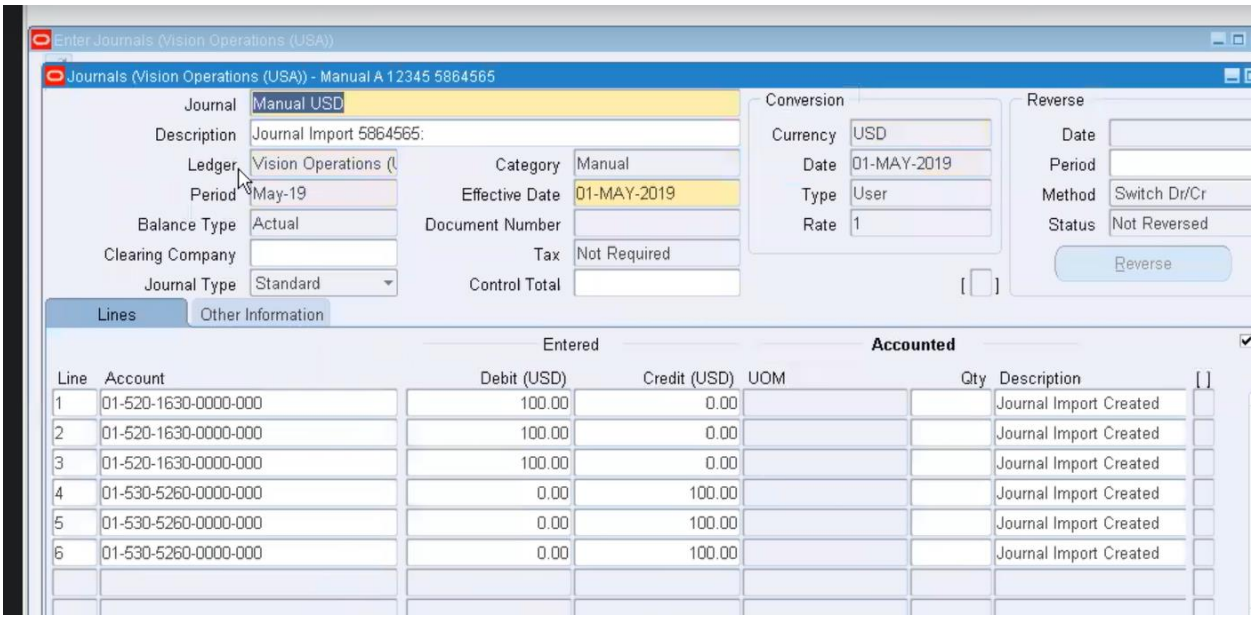
```
CREATE OR REPLACE package  body XXABC_GL_INTERFACE_UTLS

is
PROCEDURE LOAD_GL_INTERFACE
 IS
 BEGIN

   insert into gl_interface
   (      STATUS,        LEDGER_ID,        USER_JE_SOURCE_NAME,
      USER_JE_CATEGORY_NAME,        ACCOUNTING_DATE,        CURRENCY_CODE,
      DATE_CREATED,        CREATED_BY,
      SEGMENT1,     SEGMENT2,        SEGMENT3,        SEGMENT4,       SEGMENT5,
      ACTUAL_FLAG,  ENTERED_DR,        ENTERED_CR,        GROUP_ID
)
select        STATUS,        LEDGER_ID,        USER_JE_SOURCE_NAME,
      USER_JE_CATEGORY_NAME,        ACCOUNTING_DATE,        CURRENCY_CODE,
      DATE_CREATED,        CREATED_BY,
      SEGMENT1,     SEGMENT2,        SEGMENT3,        SEGMENT4,       SEGMENT5,
      ACTUAL_FLAG,  ENTERED_DR,        ENTERED_CR,        GROUP_ID
 from XXABC_GL_INTF_STG
 WHERE VALIDATION_STATUS IS NULL;

   UPDATE XXABC_GL_INTF_STG
```

NOW RUN THE PLSQL CONC PROGRAM:



NOW GO TO JOURNALS>ENTER>BATCH NAME>REVIEW JOURNAL





Create or replace package XXABC_GL_INTERFACE_UTLS

IS

```
PROCEDURE IMPORT_JOURNAL_PROC

(
   errbuf  VARCHAR2,
   retcode VARCHAR2 );

END XXABC_GL_INTERFACE_UTLS ;
/
EXIT;

CREATE OR REPLACE package  body XXABC_GL_INTERFACE_UTLS

is
PROCEDURE LOAD_GL_INTERFACE
IS
BEGIN

  insert into gl_interface
  (    STATUS,     LEDGER_ID,     USER_JE_SOURCE_NAME,
    USER_JE_CATEGORY_NAME,     ACCOUNTING_DATE,     CURRENCY_CODE,
    DATE_CREATED,     CREATED_BY,
    SEGMENT1,   SEGMENT2,     SEGMENT3,     SEGMENT4,     SEGMENT5,
    ACTUAL_FLAG,  ENTERED_DR,     ENTERED_CR,     GROUP_ID
)
select     STATUS,     LEDGER_ID,     USER_JE_SOURCE_NAME,
    USER_JE_CATEGORY_NAME,     ACCOUNTING_DATE,     CURRENCY_CODE,
```

```
    DATE_CREATED,     CREATED_BY,
    SEGMENT1,  SEGMENT2,     SEGMENT3,     SEGMENT4,     SEGMENT5,
    ACTUAL_FLAG,  ENTERED_DR,     ENTERED_CR,     GROUP_ID
from XXABC_GL_INTF_STG
WHERE VALIDATION_STATUS IS NULL;

  UPDATE XXABC_GL_INTF_STG
  SET VALIDATION_STATUS='P'
  ;

  COMMIT;



END LOAD_GL_INTERFACE;

PROCEDURE IMPORT_JOURNAL_PROC
(
   errbuf  VARCHAR2,
   retcode VARCHAR2 )
IS
  l_conc_id        NUMBER;
  l_int_run_id     NUMBER;
  l_access_set_id   NUMBER;
  l_org_id         NUMBER := fnd_profile.value('ORG_ID');
  l_sob_id         NUMBER := fnd_profile.value('GL_SET_OF_BKS_ID'); --LEDGER_ID
  l_user_id        NUMBER := fnd_profile.value('USER_ID');
```

```
  l_resp_id        NUMBER := fnd_profile.value('RESP_ID');
  l_resp_app_id    NUMBER := fnd_profile.value('RESP_APPL_ID');


BEGIN

--CALL Load GL Interface to load into GL_INTERFACE table

LOAD_GL_INTERFACE();

  fnd_global.apps_initialize
  (
    user_id      => l_user_id      --User Id
    ,resp_id     => l_resp_id      --Responsibility Id
    ,resp_appl_id => l_resp_app_id   --Responsibility Application Id
  );

  mo_global.set_policy_context('S',l_org_id);

  SELECT  gl_journal_import_s.NEXTVAL
    INTO  l_int_run_id
    FROM  dual;

  SELECT  access_set_id
  INTO  l_access_set_id
    FROM  gl_access_sets
```

```
 WHERE   name = 'Vision Operations (USA)' ;


INSERT INTO gl_interface_control
(
  je_source_name
  ,interface_run_id
  ,status
  ,set_of_books_id
  ,group_id
)
VALUES
(
  'Manual'
  ,l_int_run_id
  ,'S'
  ,l_sob_id
  ,12345
);


commit;


l_conc_id := fnd_request.submit_request
           ( application   => 'SQLGL'
            ,program      => 'GLLEZL'
            ,description   => NULL
            ,start_time    => SYSDATE
```

```
            ,sub_request   => FALSE
            ,argument1     => l_int_run_id    --interface run id
            ,argument2     => l_access_set_id --data access set_id
            ,argument3     => 'N'          --post to suspense
            ,argument4     => NULL          --from date
            ,argument5     => NULL          --to date
            ,argument6     => 'N'          --summary mode
            ,argument7     => 'N'          --import DFF
            ,argument8     => 'Y'          --backward mode
           );

  COMMIT;

  fnd_file.PUT_LINE(fnd_file.log,'GL Import Submitted. Request Id : '||l_conc_id);

EXCEPTION
  WHEN OTHERS THEN

  fnd_file.PUT_LINE(fnd_file.log,'Error while submitting the GL Import Program.');
  fnd_file.PUT_LINE(fnd_file.log,'Error : '||SQLCODE||'-'||SUBSTR(SQLERRM,1,200));
END IMPORT_JOURNAL_PROC;



END XXABC_GL_INTERFACE_UTLS;
/
```

```
EXIT;
```