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Informatica Power Center 9.0.1

Building Financial Data Mode - Lab#31
Working with Informatica Functions

Description:

BISP is committed to provide BEST learning material to the beginners and advance learners. In the same series, we have prepared a complete end-to end Hands-on Guide for building financial data model in Informatica. The document focuses on how the real world requirement should be interpreted. The mapping document template with very simplified steps and screen shots makes the complete learning so easy. This guide is designed to assist students the use of different functions in real world scenario. Join our professional training program and learn from experts.

History:

Version	Description Change	Author	Publish Date
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Introduction:

This guide is designed to assist students the use of different functions in real world scenario. The list of functions are given along with the mapping doc in order to show case how various functions are used. In the below document we have used various Date, String, Char, conversion and conditional functions.

Mapping Sheet: -

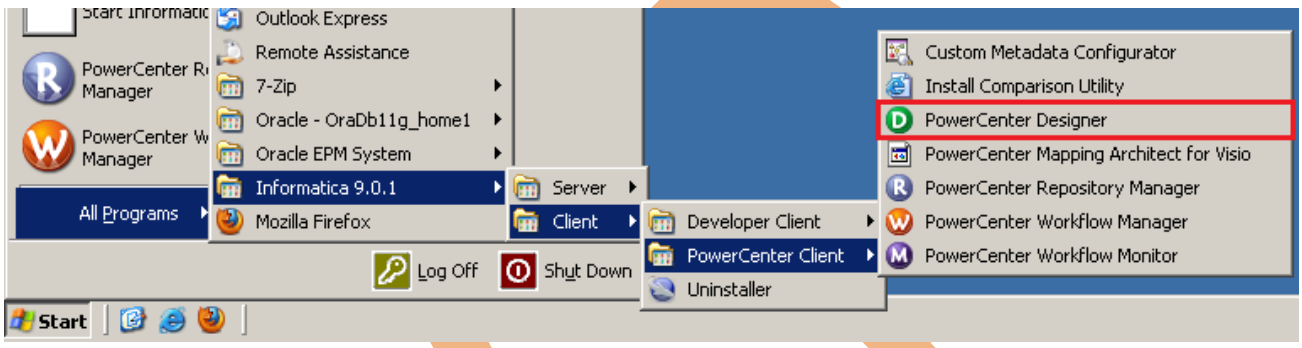
Case Study	Informatica Function				
Source Name	SRC_CREDITCARD				
Target Name	TRG_CREDITCARD_EXAMPLE				
Source Details				Target Details	
Entity Name	Field/Expression Name	Data Types	Expression	Destination Entity Name	DestinationField Name
SRC_CREDITCARD	N_ACCT_SKEY	NUMBER		TRG_CREDITCARD_EXAMPLE	N_ACCT_SKEY
SRC_CREDITCARD	COMMON_COA_ID	NUMBER		TRG_CREDITCARD_EXAMPLE	COMMON_COA_ID
SRC_CREDITCARD	CUSTOMER_ID	NUMBER		TRG_CREDITCARD_EXAMPLE	CUSTOMER_ID
SRC_CREDITCARD	GL_ACCOUNT_ID	NUMBER		TRG_CREDITCARD_EXAMPLE	GL_ACCOUNT_ID
SRC_CREDITCARD	ORG_UNIT_ID	NUMBER		TRG_CREDITCARD_EXAMPLE	ORG_UNIT_ID
SRC_CREDITCARD	PRODUCT_ID	NUMBER		TRG_CREDITCARD_EXAMPLE	PRODUCT_ID
SRC_CREDITCARD	AMRT_TERM	NUMBER		TRG_CREDITCARD_EXAMPLE	AMRT_TERM
SRC_CREDITCARD	AMRT_TERM_MULT	VARCHAR	LENGTH(AMRT_TERM_MULT)	TRG_CREDITCARD_EXAMPLE	AMRT_TERM_MULT
SRC_CREDITCARD	CHARGE_OFF_BAL	NUMBER	LPAD(CHARGE_OFF_BAL,2,0)	TRG_CREDITCARD_EXAMPLE	CHARGE_OFF_BAL
SRC_CREDITCARD	COMPOUND_BASIS_CD	NUMBER	LTRIM(COMPOUND_BASIS_CD,0)	TRG_CREDITCARD_EXAMPLE	COMPOUND_BASIS_CD
SRC_CREDITCARD	CUR_DELQ_BAL	NUMBER	RTRIM(CUR_DELQ_BAL,0)	TRG_CREDITCARD_EXAMPLE	CUR_DELQ_BAL
SRC_CREDITCARD	CUR_PAR_BAL	NUMBER		TRG_CREDITCARD_EXAMPLE	CUR_PAR_BAL
SRC_CREDITCARD	CYCLE_DAY_OF_MONTH	NUMBER	TO_DECIMAL(TO_CHAR(SYSDATE,'MM'))	TRG_CREDITCARD_EXAMPLE	CYCLE_DAY_OF_MONTH
SRC_CREDITCARD	IDENTITY_CODE	NUMBER		TRG_CREDITCARD_EXAMPLE	IDENTITY_CODE
SRC_CREDITCARD	ISSUE_DATE	DATE	SYSDATE	TRG_CREDITCARD_EXAMPLE	ISSUE_DATE
SRC_CREDITCARD	ORG_PAR_BAL	NUMBER		TRG_CREDITCARD_EXAMPLE	ORG_PAR_BAL
SRC_CREDITCARD	PMT_FREQ	NUMBER		TRG_CREDITCARD_EXAMPLE	PMT_FREQ
SRC_CREDITCARD	REMAIN_NO_PMTS_C	NUMBER		TRG_CREDITCARD_EXAMPLE	REMAIN_NO_PMTS_C
SRC_CREDITCARD	PMT_FREQ_MULT	VARCHAR	DECODE(PMT_FREQ_MULT='Y', True,PMT_FREQ_MULT='N', False)	TRG_CREDITCARD_EXAMPLE	PMT_FREQ_MULT
SRC_CREDITCARD	D_LAST_ACTIVITY_DATE	DATE	LAST_DAY(MISDATE)	TRG_CREDITCARD_EXAMPLE	D_LAST_ACTIVITY_DATE
SRC_CREDITCARD	D_LAST_PAYMENT_DATE	DATE		TRG_CREDITCARD_EXAMPLE	D_LAST_PAYMENT_DATE
SRC_CREDITCARD	D_LAST_REJECTED_DATE	DATE		TRG_CREDITCARD_EXAMPLE	D_LAST_REJECTED_DATE
SRC_CREDITCARD	D_LAST_REPRICE_DATE	DATE		TRG_CREDITCARD_EXAMPLE	D_LAST_REPRICE_DATE
SRC_CREDITCARD	D_LAST_TRANSACTION_DATE	DATE		TRG_CREDITCARD_EXAMPLE	D_LAST_TRANSACTION_DATE
SRC_CREDITCARD	D_LST_CARD_STATUS_UPDT_DATE	DATE		TRG_CREDITCARD_EXAMPLE	D_LST_CARD_STATUS_UPDT_DATE
SRC_CREDITCARD	D_LST_CREDIT_LIMIT_CHANGE_DATE	DATE		TRG_CREDITCARD_EXAMPLE	D_LST_CREDIT_LIMIT_CHANGE_DATE
SRC_CREDITCARD	D_MEMBERSHIP_ANNV_DATE	DATE	ROUND(D_MEMBERSHIP_ANNV_DATE,'MM')	TRG_CREDITCARD_EXAMPLE	D_MEMBERSHIP_ANNV_DATE
SRC_CREDITCARD	D_NEXT_PAYMENT_DATE	DATE	ADD_TO_DATE(SYSDATE, 'MM', 1)	TRG_CREDITCARD_EXAMPLE	D_NEXT_PAYMENT_DATE
SRC_CREDITCARD	N_D_DIFF	NUMBER	DATE_DIFF(D_LAST_TRANSACTION_DATE, D_LAST_PAYMENT_DATE,'DD')	TRG_CREDITCARD_EXAMPLE	N_DRAWN_AMT
SRC_CREDITCARD	N_EOP_BAL	NUMBER		TRG_CREDITCARD_EXAMPLE	N_EOP_BAL
SRC_CREDITCARD	N_EOP_CASH_BAL	NUMBER		TRG_CREDITCARD_EXAMPLE	N_EOP_CASH_BAL
SRC_CREDITCARD	N_D_COMP	NUMBER	DATE_COMPARE(D_LAST_REJECTED_DATE,D_LAST_REPRICE_DATE)	TRG_CREDITCARD_EXAMPLE	N_EOP_INT_ACCRUED_BAL

List of functions

1 Character Functions:	2 Conversion Functions:	3 Date Functions:	4 Special Functions:
1.1 LENGTH: 1.2 LPAD: 1.3 LTRIM: 1.4 RPAD: 1.5 RTRIM: 1.6 SUBSTR:	2.1 TO_CHAR: 2.2 TO_DATE: 2.3 TO_DECIMAL: 2.4 TO_FLOAT: 2.5 TO_INTEGER:	3.1 ADD_TO_DATE 3.2 DATE_COMPARE 3.3 DATE_DIFF 3.4 GET_DATE_PART 3.5 LAST_DAY 3.6 MAX 3.7 MIN 3.8 ROUND 3.9 SET_DATE_PART 3.10 TRUNC	4.1 DECODE 4.2 IIF 4.3 ERROR: 4.4 LOOKUP: **5 Test Functions:** 5.1 ISNULL 5.2 IS_DATE 5.3 IS_NUMBER 5.4 IS_SPACES

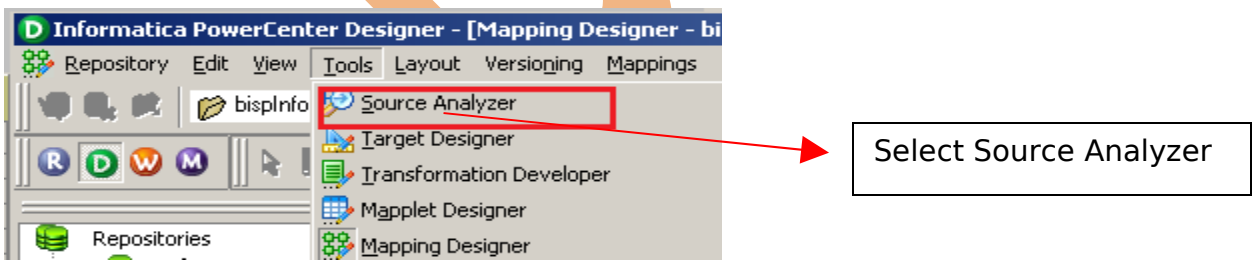
Importing Source and Target Table: Import data from source and create target table (There are two types to create target table, Manually or import from database). There are following step to importing source and target database (Table).

Step-1 Click on Start > All Programs > Informatica 9.0.1 > Client > Power Center Client> Power Center Designer.

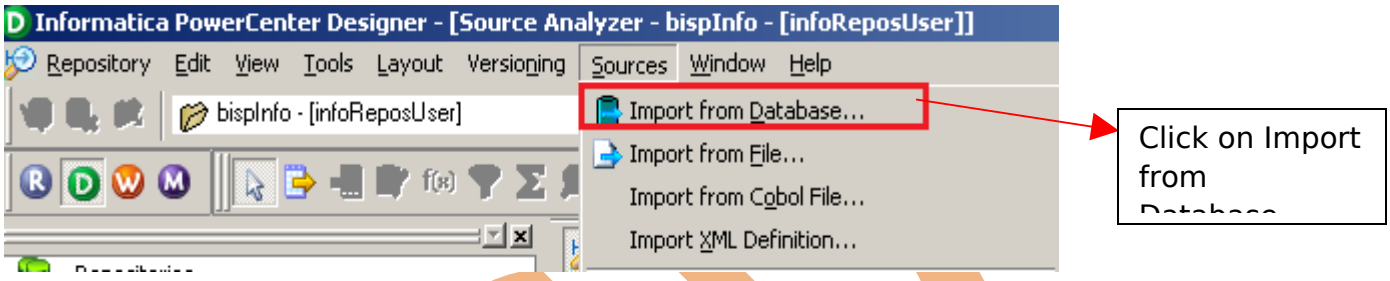


Step-2 Then Connect to Repository in Informatica Power Center Designer Right click on repository name and click on Connect.

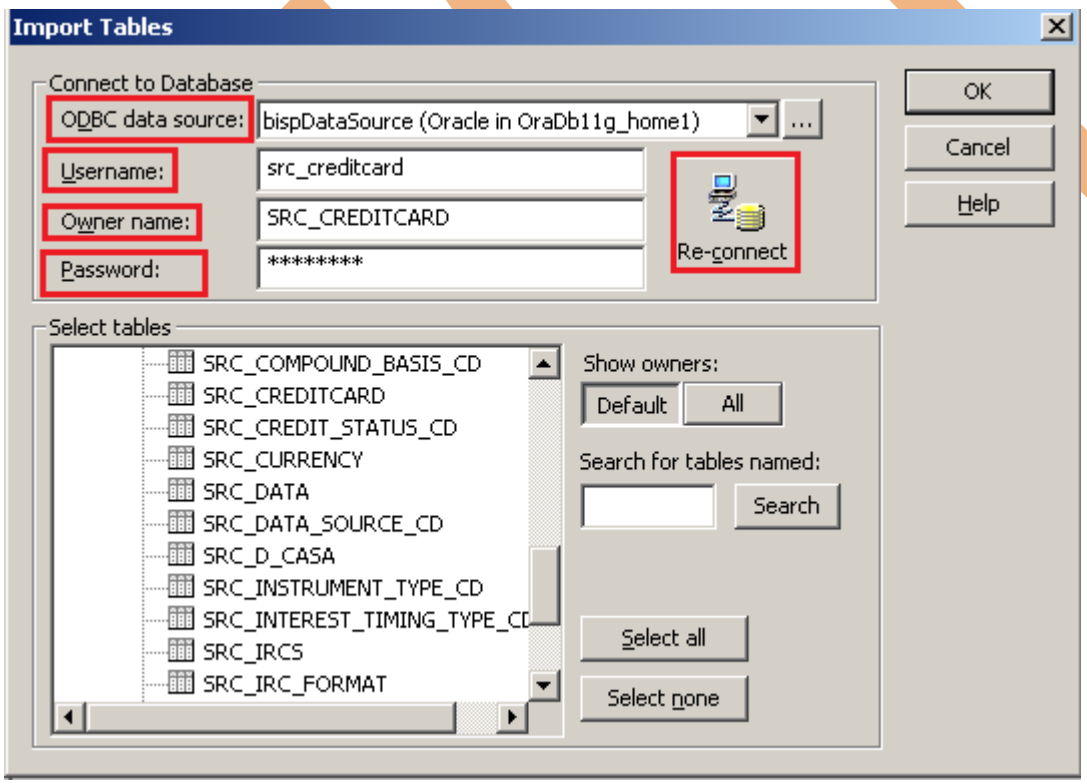
Step-3 Then go to Tools Menu and click on Source Analyzer to import source table.



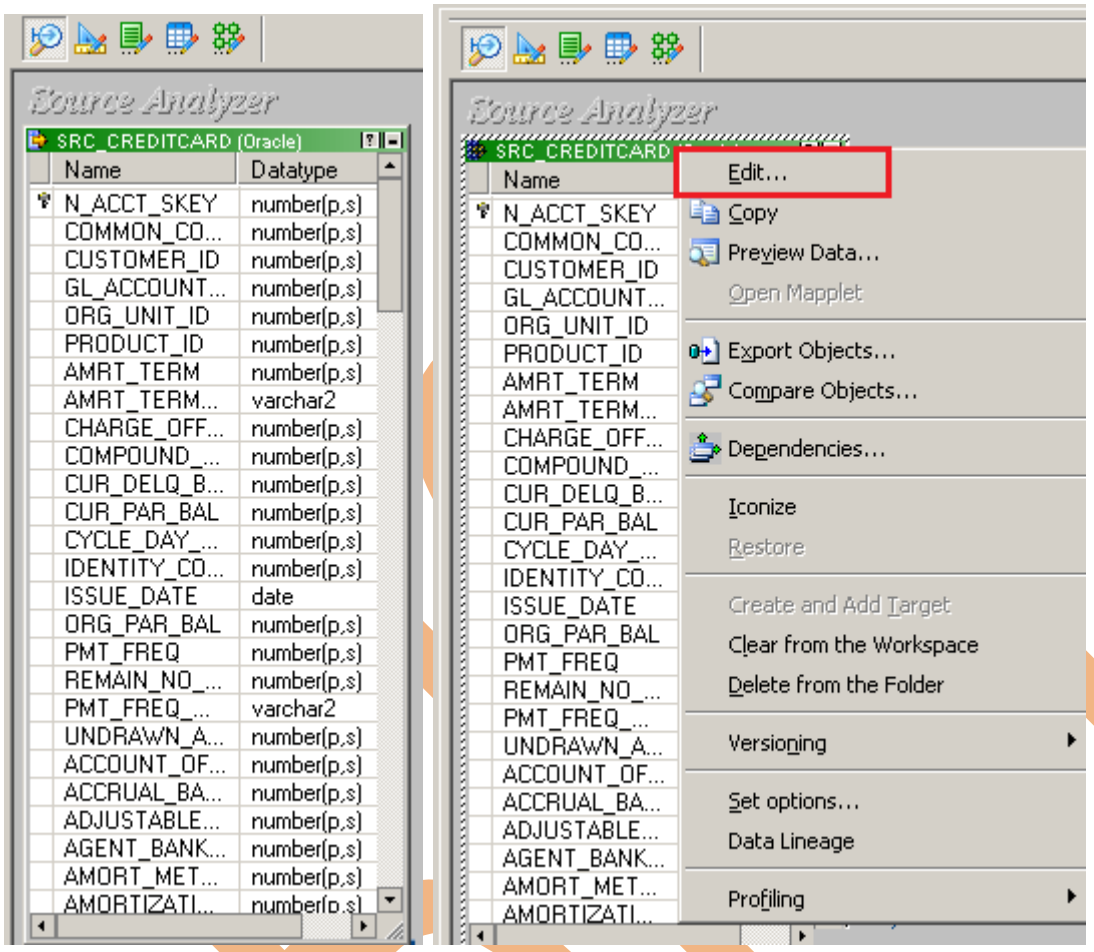
Step-4 And then go to Sources Menu in Informatica Power Center Designer Menu bar and select Import from database (Here some other options available such as Import from Database(import source data from RDBMS), Import from File(import source data from Flatfile), Import from Cobol File(import Cobol source), Import XML Definition(import source data from XML) etc).



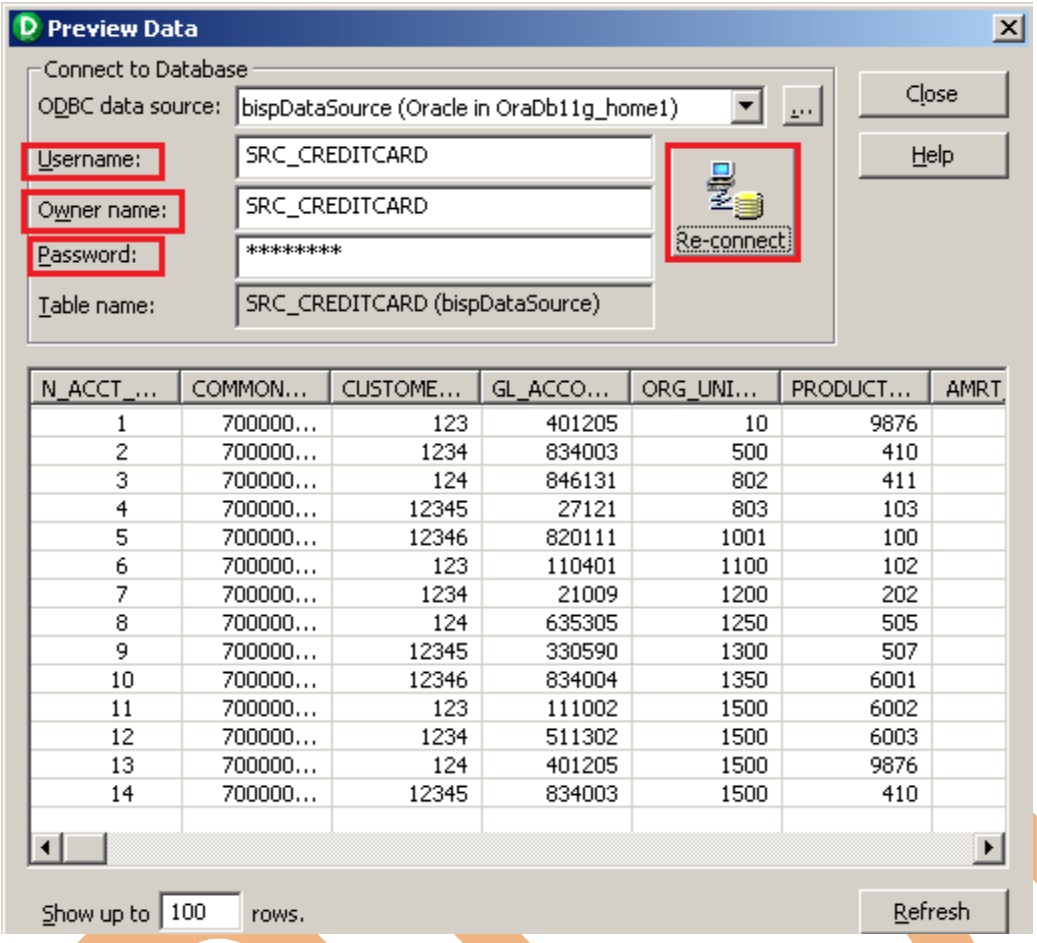
Step-5 Specify Username, Owner name and password then click on connect. Select source table and click on OK if you select all table, then click on select all and click OK.



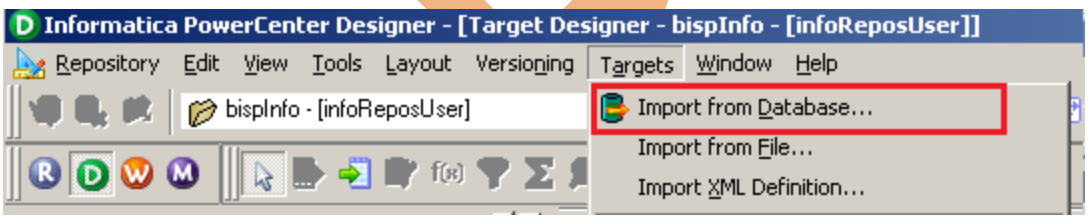
Step-6 Source table in source analyzer window. Then right click on Source table and select Preview Data to view data. If you want to edit some column and its relationship then you can do this from select Edit options. and also some other options available such as Export Objects, Compare Objects, Dependencies.., Iconize etc.



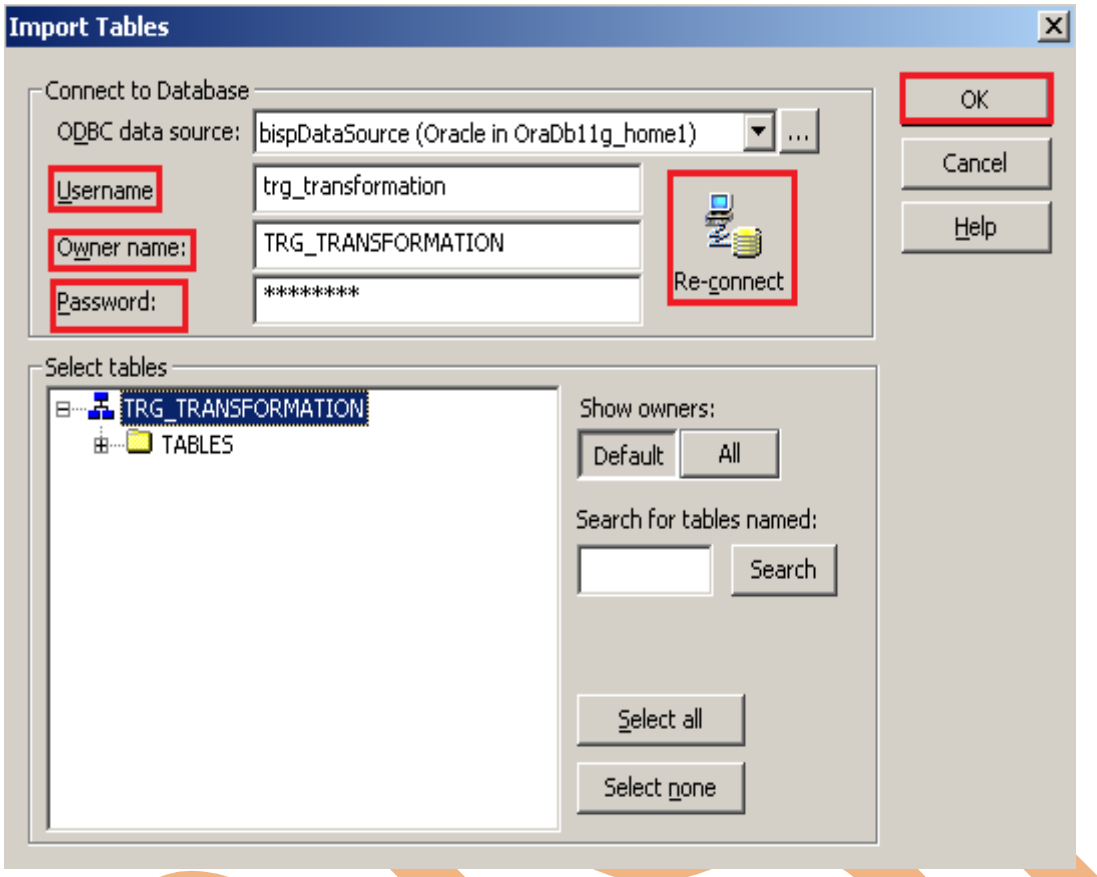
Step-7 When you click on Preview Data, A new window appear. Select ODBC data source connection and then specify Username, Owner name and Password and then click on Connect button.



Step-8 Now click on Target Designer. And then select Target menu in Informatica Power Center Designer Menu bar and click on Import from database to import target table. (Or create manually, In target menu click on create select database type and click OK. Then add column in Edit window. If target table stored in any RDBMS then select target table and then go to target menu and click on Generate/Execute SQL... Generate/Execute window appears. Then click on connect option and connect to database and specify information and then click on Generate and Execute).

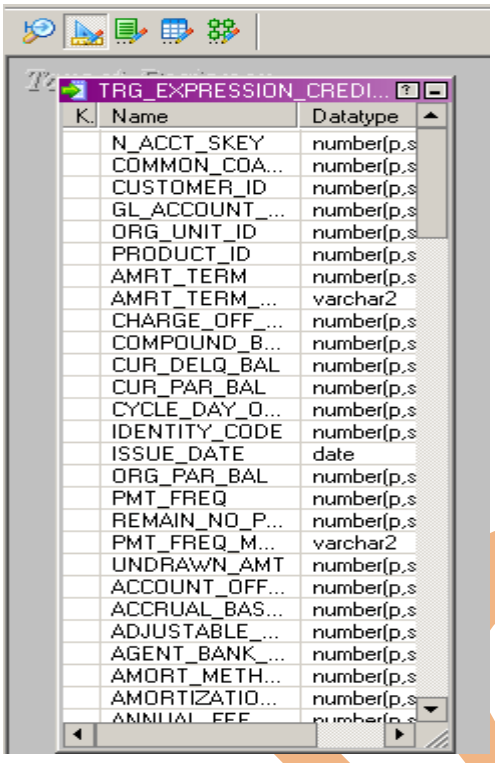


Step-9 Specify Username, Owner name, password and then click on connect and then select target table and click on OK.



Step-10 Target table in Target Designer tab. Here two target table in target designer window.

First Target Table(TRG_ACCOUNT_DETAILS) - Store all account information.


TRG_EXPRESSION_CREDI...
K.
Name
Datatype
N_ACCT_SKEY
COMMON_COA...
CUSTOMER_ID
GL_ACCOUNT_...
ORG_UNIT_ID
PRODUCT_ID
AMRT_TERM
AMRT_TERM_...
CHARGE_OFF_...
COMPOUND_B...
CUR_DELQ_BAL
CUR_PAR_BAL
CYCLE_DAY_O...
IDENTITY_CODE
ISSUE_DATE
ORG_PAR_BAL
PMT_FREQ
REMAIN_NO_P...
PMT_FREQ_M...
UNDRAWN_AMT
ACCOUNT_OFF...
ACCRUAL_BAS...
ADJUSTABLE_...
AGENT_BANK_...
AMORT_METH...
AMORTIZATIO...
number(p,s
varchar2
date

CREATE MAPPING

Mappings represent the data flow b/w sources to targets. When the Informatica Power Center Server executes a session, it uses the instructions configured in the mapping to read, transform, and write data.

Every mapping must contain the following components:

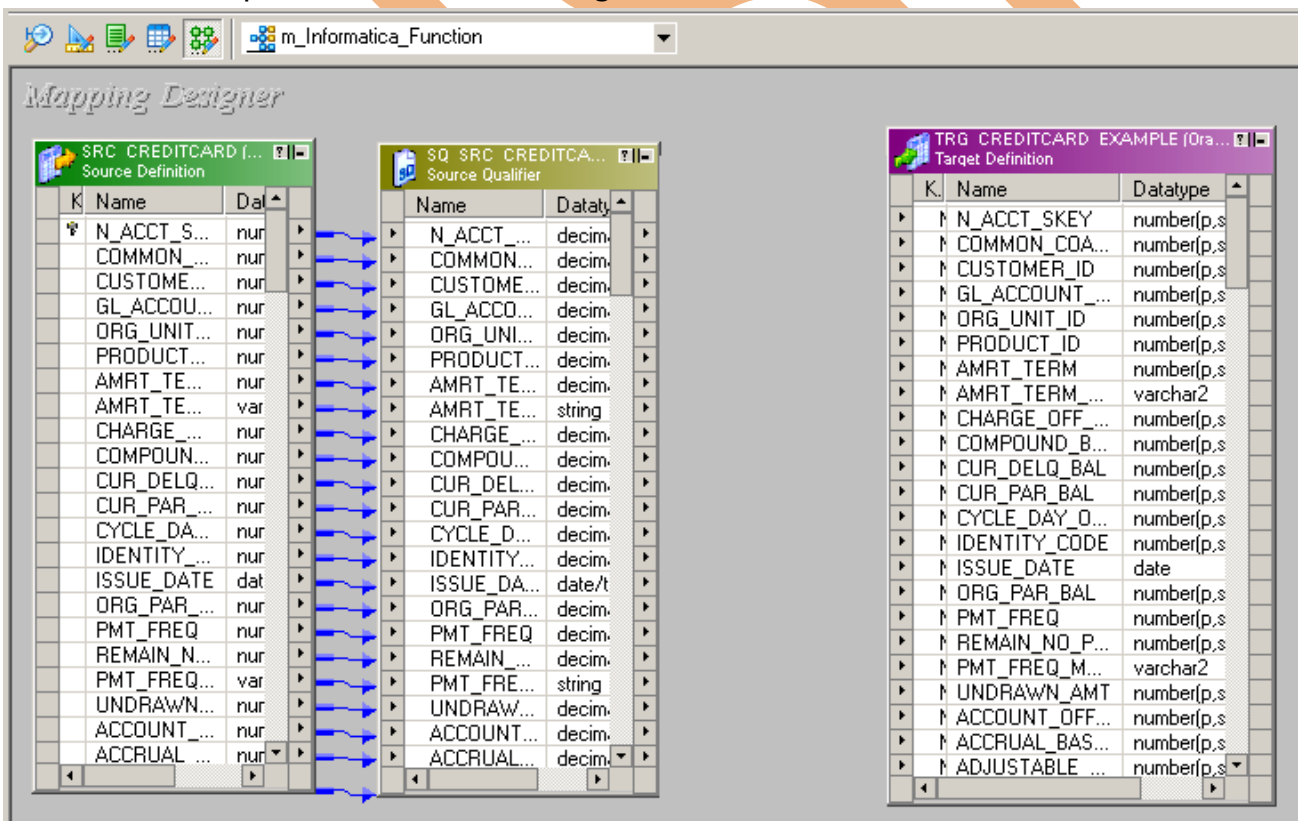
Source definition: It describes the characteristics of a source.

Transformation: A transformation is a repository object which reads the data, modifies the data and passes the data. Transformations in a mapping represent the operations that the integration service performs on the data.

Target definition: It describes the target table.

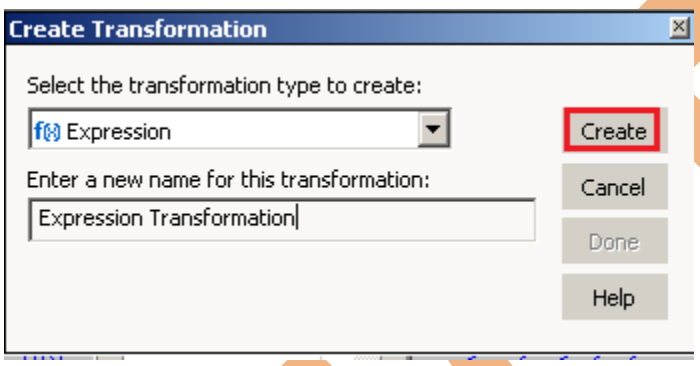
Step-1 Go to Mapping Designer  and Create New Mapping for the Data Quality Check. Go to menu bar and select Mappings menu and then click on Create then name of mapping and click OK button to create mapping.

Step-2 Then drag and drop source and target table into Mapping Designer Window from specified folder in Navigator.

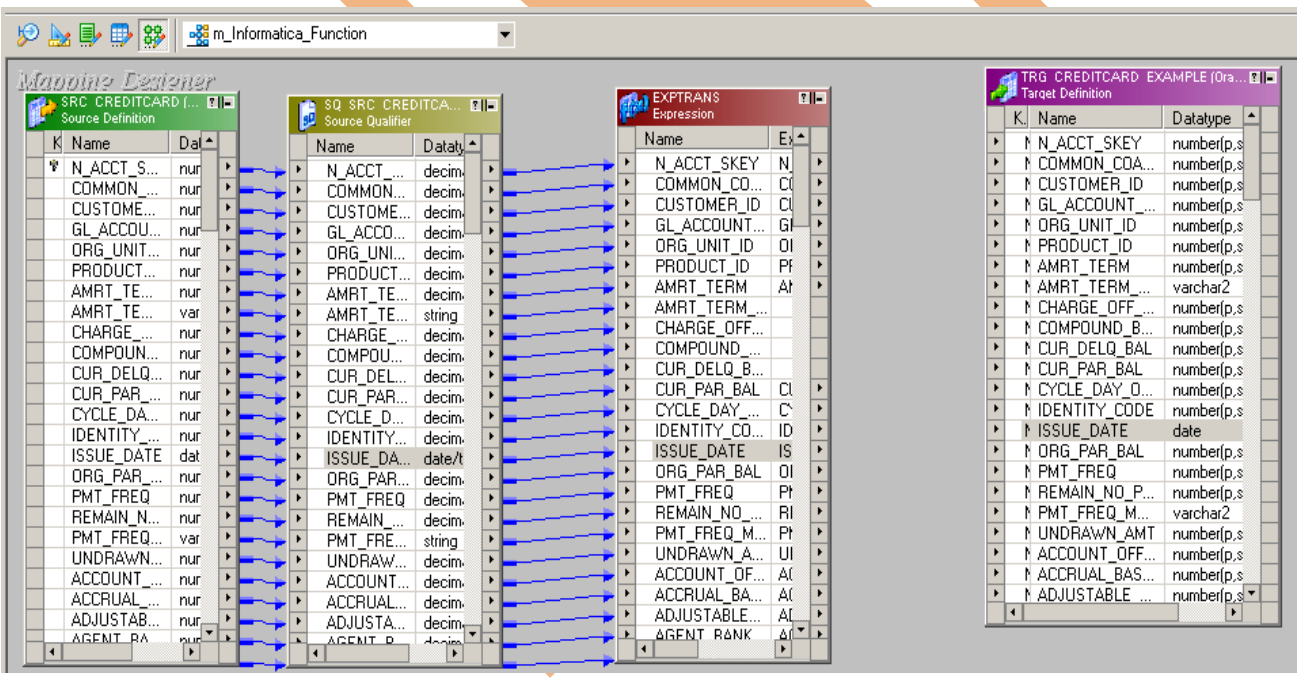


Step-3 Now create expression transformation for specify Informatica Function in mapping. Go to menu bar and Click on Transformation then click Create and select Expression Transformation in drop down and then name of transformation and click on Create button then click on Done button.

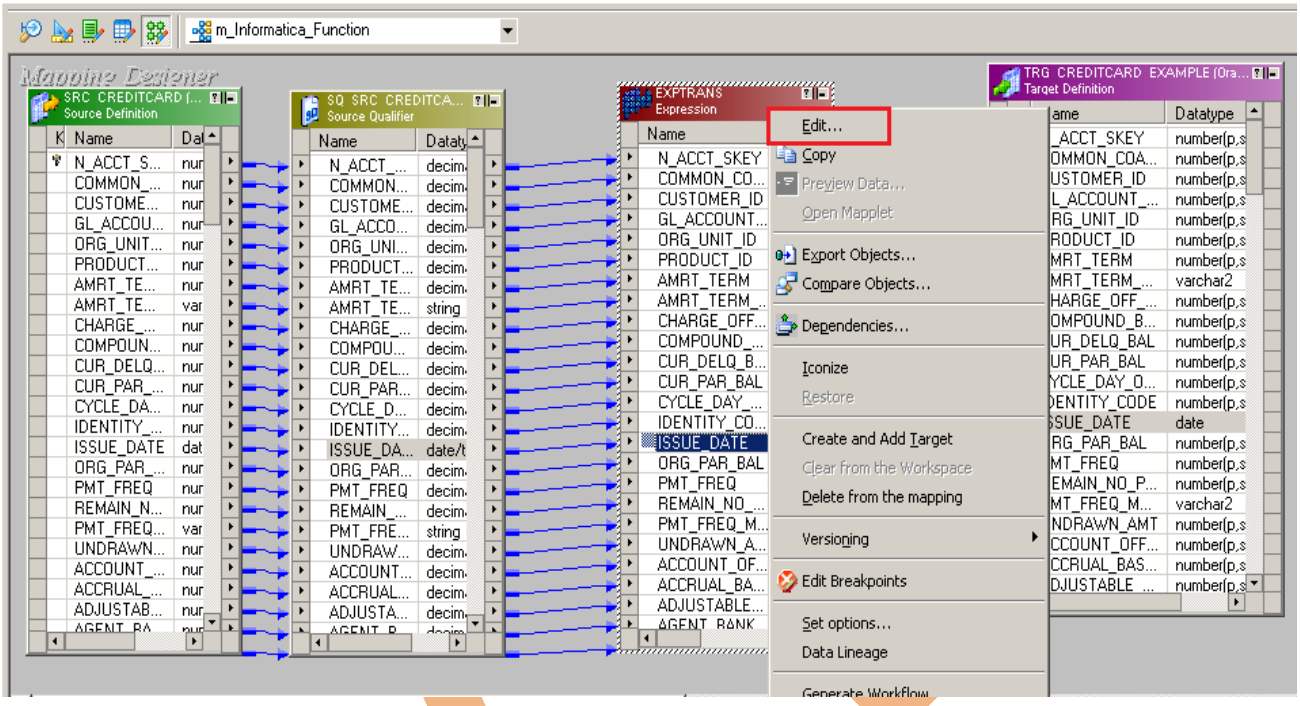
Expression transformation: Expression transformation is a connected and passive transformation used to calculate values on a single row. Expression transformation also be used to test conditional statements or query before passing the data to other transformations or target.



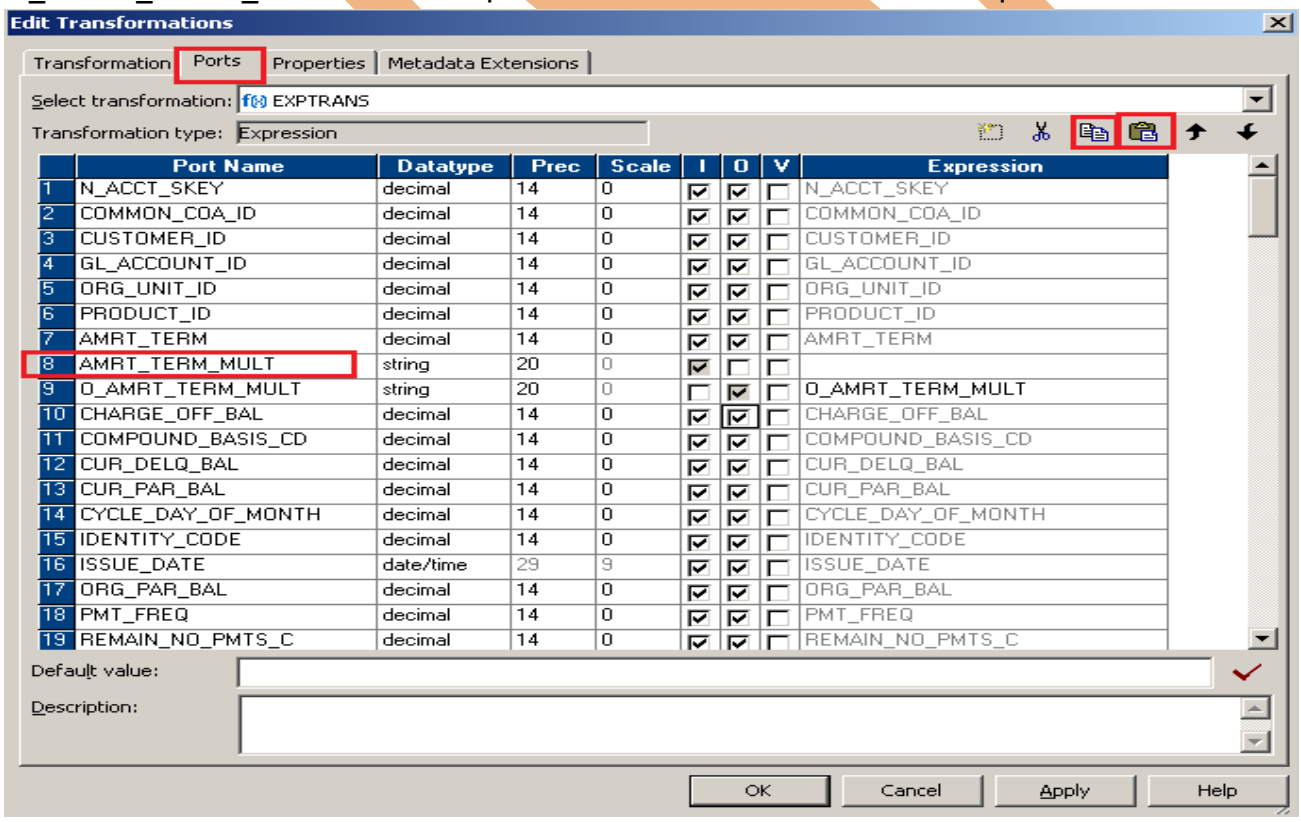
Step-4 Now passes all source qualifier table column into expression transformation table.



Step-5 And then right click on expression transformation table and click on Edit to Edit the transformation.



Step-6 Then go to Ports tab and create dummy column of AMRT_TERM_MULT and rename of this column and then select AMRT_TERM_MULT as a Input and O_AMRT_TERM_MULT as a output name then click for write expression.



	Port Name	Datatype	Prec	Scale	I	O	V	Expression
1	N_ACCT_SKEY	decimal	14	0	☑	☑	☐	N_ACCT_SKEY
2	COMMON_COA_ID	decimal	14	0	☑	☑	☐	COMMON_COA_ID
3	CUSTOMER_ID	decimal	14	0	☑	☑	☐	CUSTOMER_ID
4	GL_ACCOUNT_ID	decimal	14	0	☑	☑	☐	GL_ACCOUNT_ID
5	ORG_UNIT_ID	decimal	14	0	☑	☑	☐	ORG_UNIT_ID
6	PRODUCT_ID	decimal	14	0	☑	☑	☐	PRODUCT_ID
7	AMRT_TERM	decimal	14	0	☑	☑	☐	AMRT_TERM
8	AMRT_TERM_MULT	string	20	0	☑	☐	☐	
9	O_AMRT_TERM_MULT	string	20	0	☐	☑	☐	O_AMRT_TERM_MULT
10	CHARGE_OFF_BAL	decimal	14	0	☑	☑	☐	CHARGE_OFF_BAL
11	COMPOUND_BASIS_CD	decimal	14	0	☑	☑	☐	COMPOUND_BASIS_CD
12	CUR_DELQ_BAL	decimal	14	0	☑	☑	☐	CUR_DELQ_BAL
13	CUR_PAR_BAL	decimal	14	0	☑	☑	☐	CUR_PAR_BAL
14	CYCLE_DAY_OF_MONTH	decimal	14	0	☑	☑	☐	CYCLE_DAY_OF_MONTH
15	IDENTITY_CODE	decimal	14	0	☑	☑	☐	IDENTITY_CODE
16	ISSUE_DATE	date/time	29	9	☑	☑	☐	ISSUE_DATE
17	ORG_PAR_BAL	decimal	14	0	☑	☑	☐	ORG_PAR_BAL
18	PMT_FREQ	decimal	14	0	☑	☑	☐	PMT_FREQ
19	REMAIN_NO_PMTS_C	decimal	14	0	☑	☑	☐	REMAIN_NO_PMTS_C

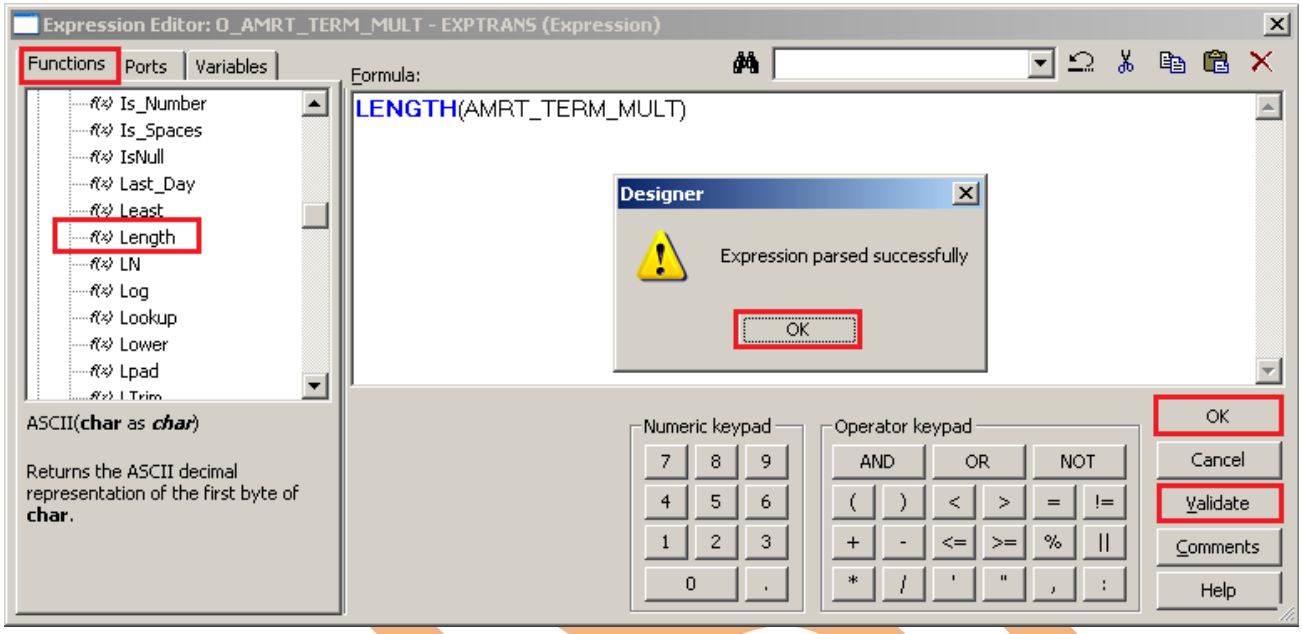
LENGTH FUNCTION

Step-7 - The LENGTH function returns the number of characters or length in a string, including trailing blanks.

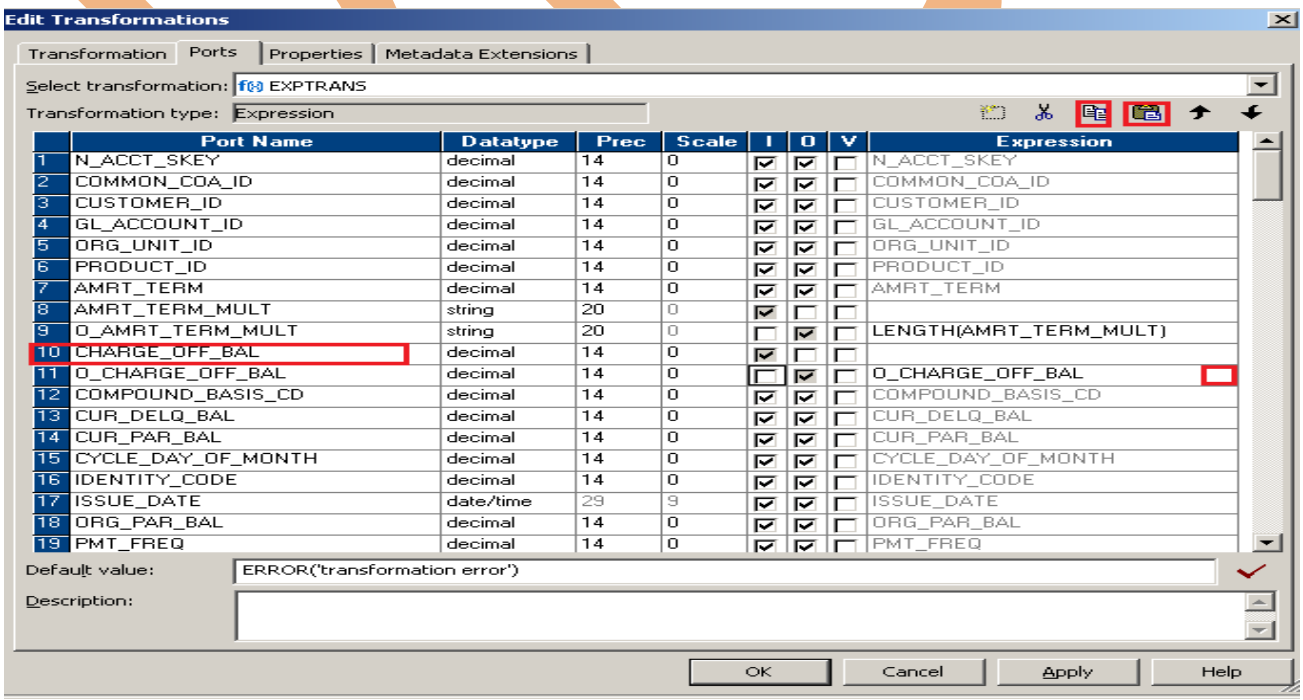
Syntax

LENGTH (column_name)

Then click on Functions tab and select Length function then select column on Ports tab.



Step-8 Then create dummy column of CHARGE_OFF_BAL and rename of this column and then select CHARGE_OFF_BAL as a Input and O_ CHARGE_OFF_BAL as a output name then click for write expression.



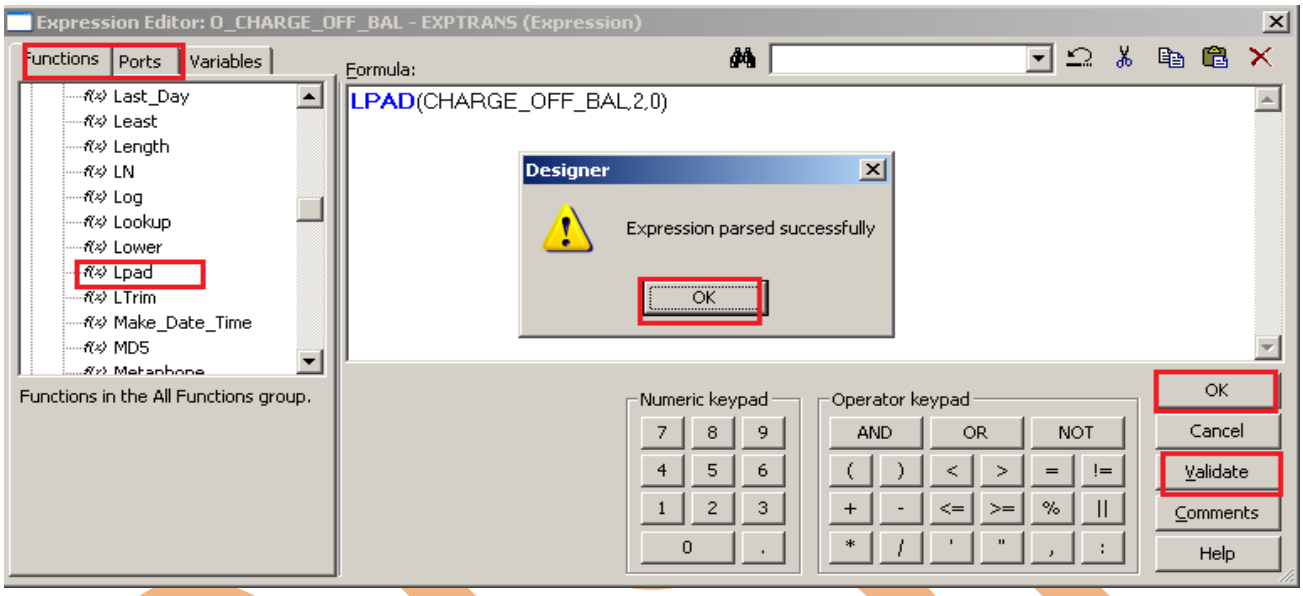
LPAD function

Step-9 LPAD function - The LPAD function adds a set of blanks or characters to the beginning of a string, to set a string to a specified length.

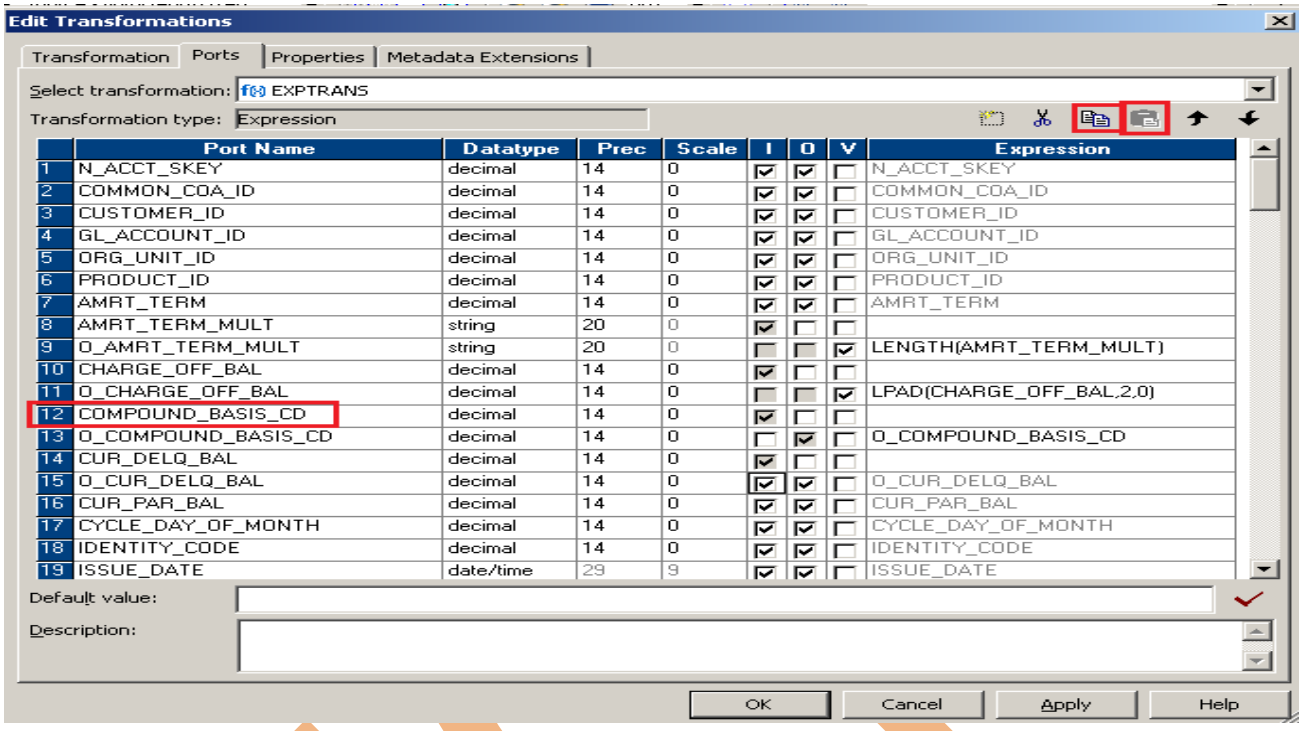
Syntax

LPAD (column_name, length in numeric ,string)

Then click on Functions tab and select LPAD function then select column on Ports tab.



Step-10 Then create dummy column of COMPOUNT_BASIS_CD and rename of this column and then select COMPOUNT_BASIS_CD as a Input and O_ COMPOUNT_BASIS_CD as a output name then click for write expression.



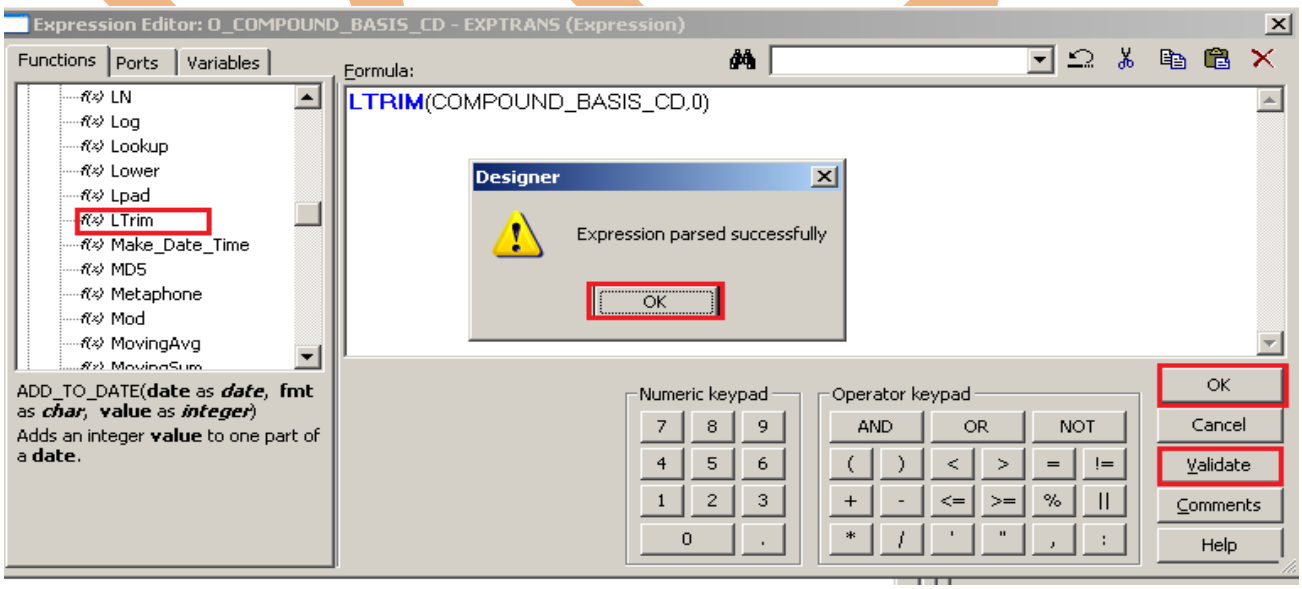
LTRIM function

Step-11 LTRIM function - The LTRIM function removes blanks or characters from the beginning of a string.

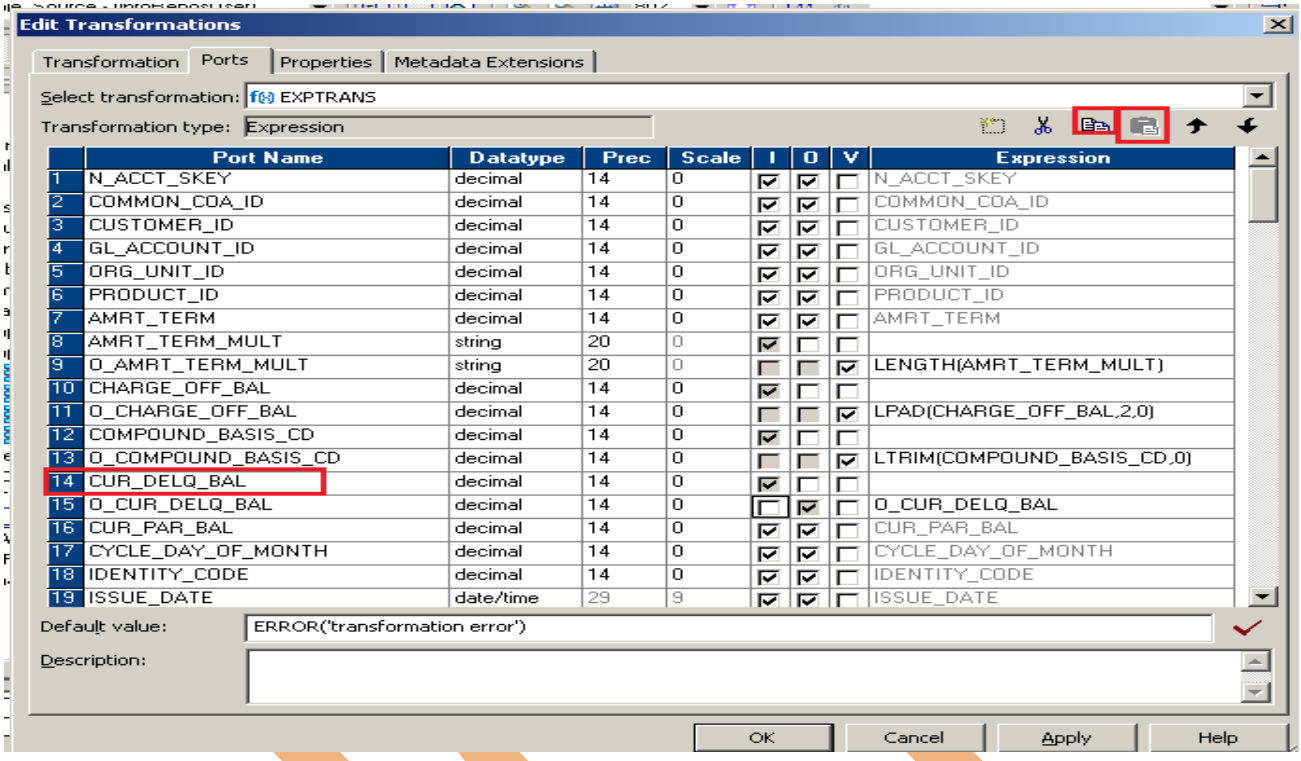
Syntax

LTRIM (column_name, set)

Then click on Functions tab and select LPAD function then select column on Ports tab.



Step-12 Then create dummy column of CUR_DELQ_BAL and rename of this column and then select CUR_DELQ_BAL as a Input and O_ CUR_DELQ_BAL as a output name then click for write expression.



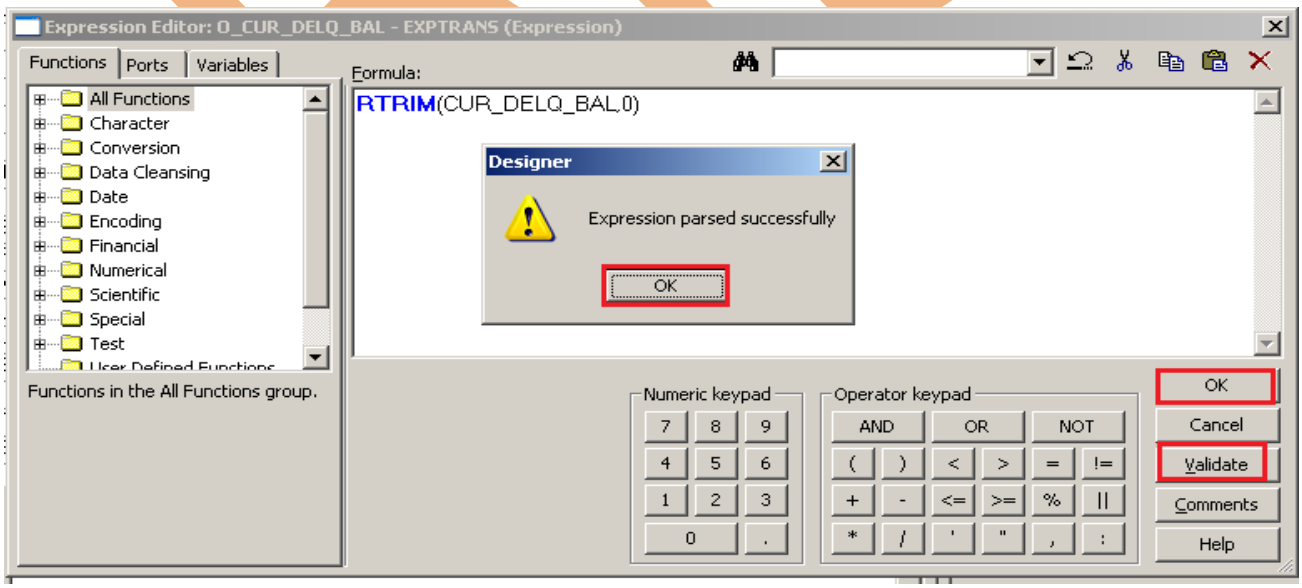
RPAD: function

Step-13 RPAD: function - The RPAD function converts a string to a specified length by adding blanks or characters to the end of the string. It is available in the Designer and the Workflow Manager.

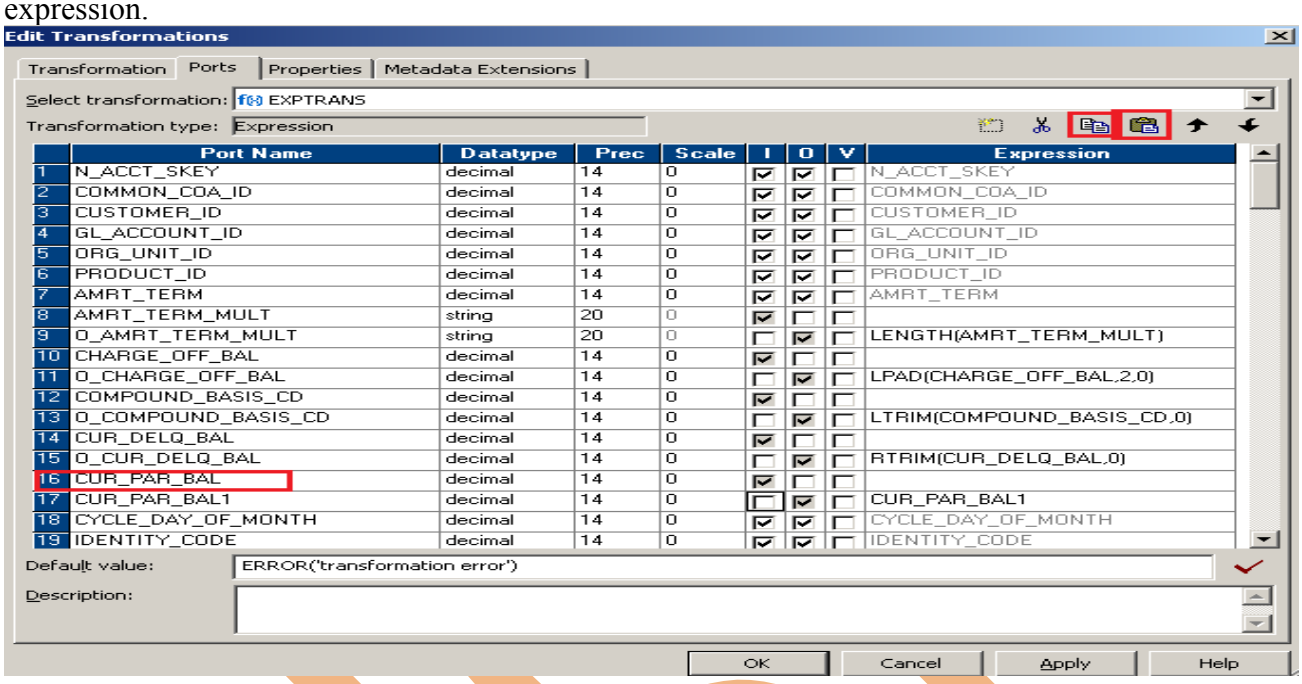
Syntax

RPAD(column_name, length, second_string)

Then click on Functions tab and select RPAD function then select column on Ports tab.



Step-14 Then create dummy column of CUR_PAR_BAL and rename of this column and then select CUR_PAR_BAL as a Input and O_ CUR_PAR_BAL as a output name then click for write expression.



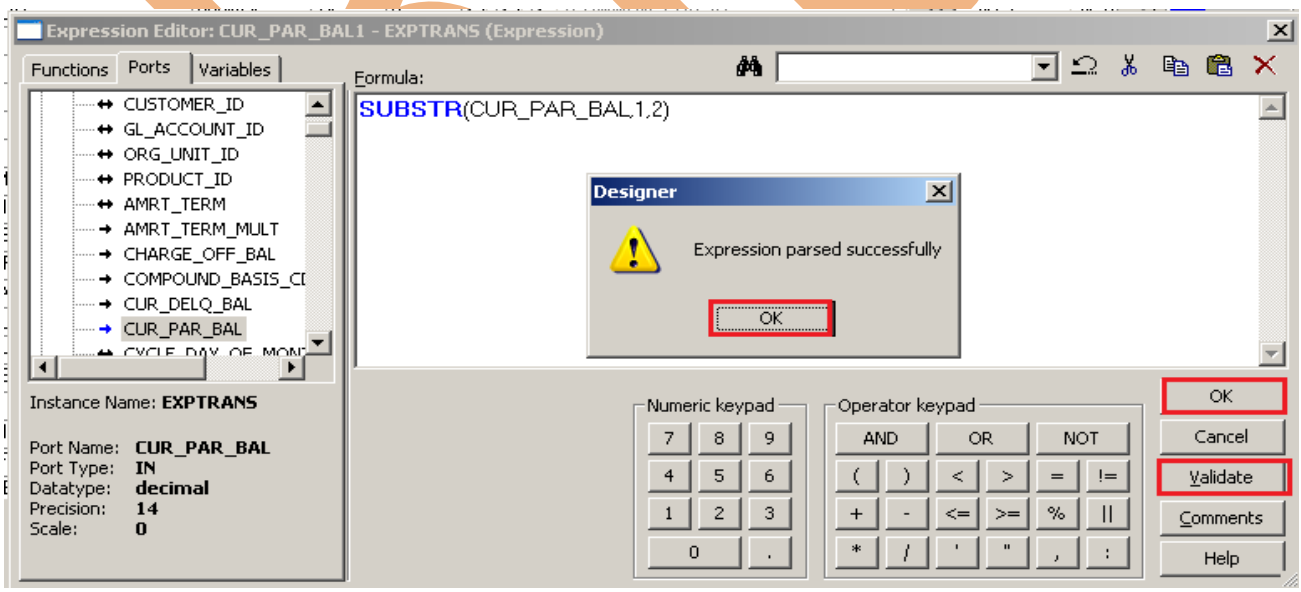
SUBSTR function

Step-15 SUBSTR function - SUBSTR function returns a portion of a string. It is available in the Designer and the Workflow Manager.

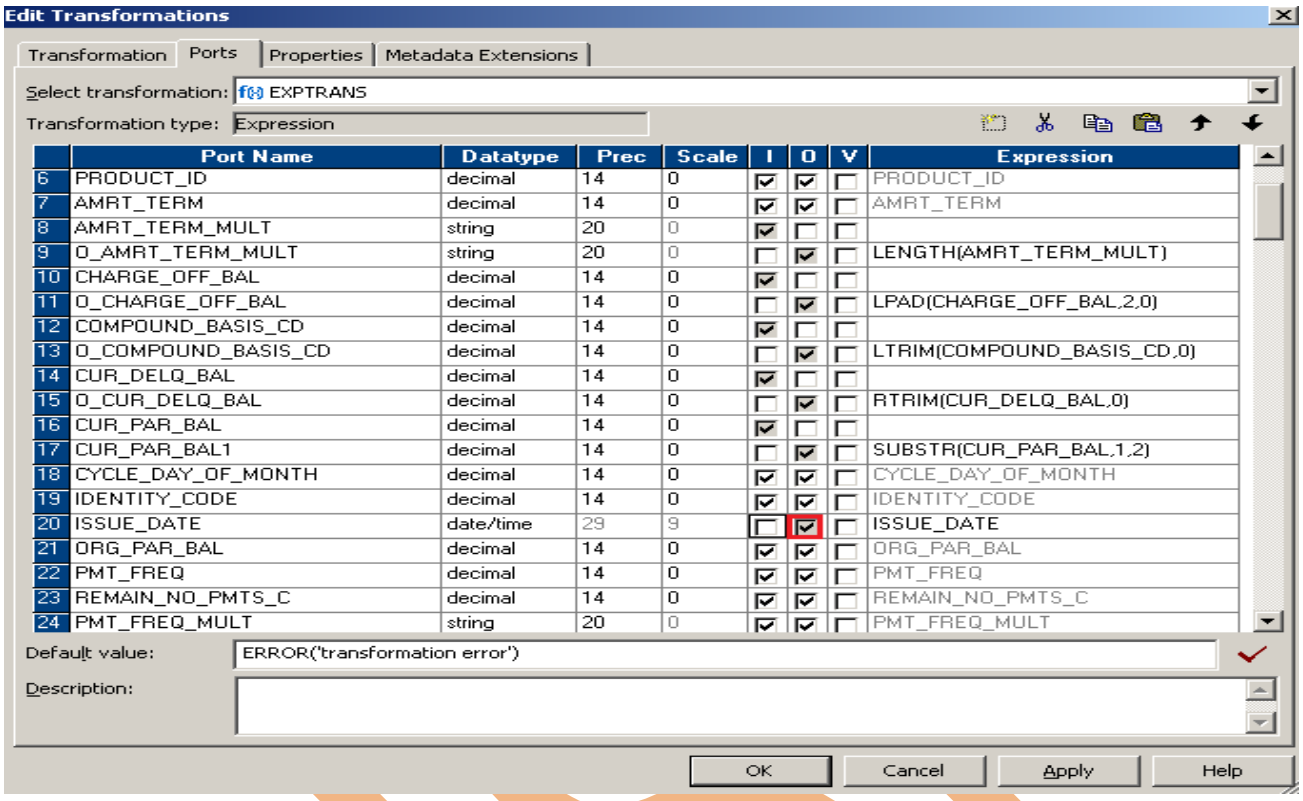
Syntax

SUBSTR(COLUMN_NAME, START , LENGTH)

Then click on Functions tab and select SUBSTR function then select column on Ports tab.

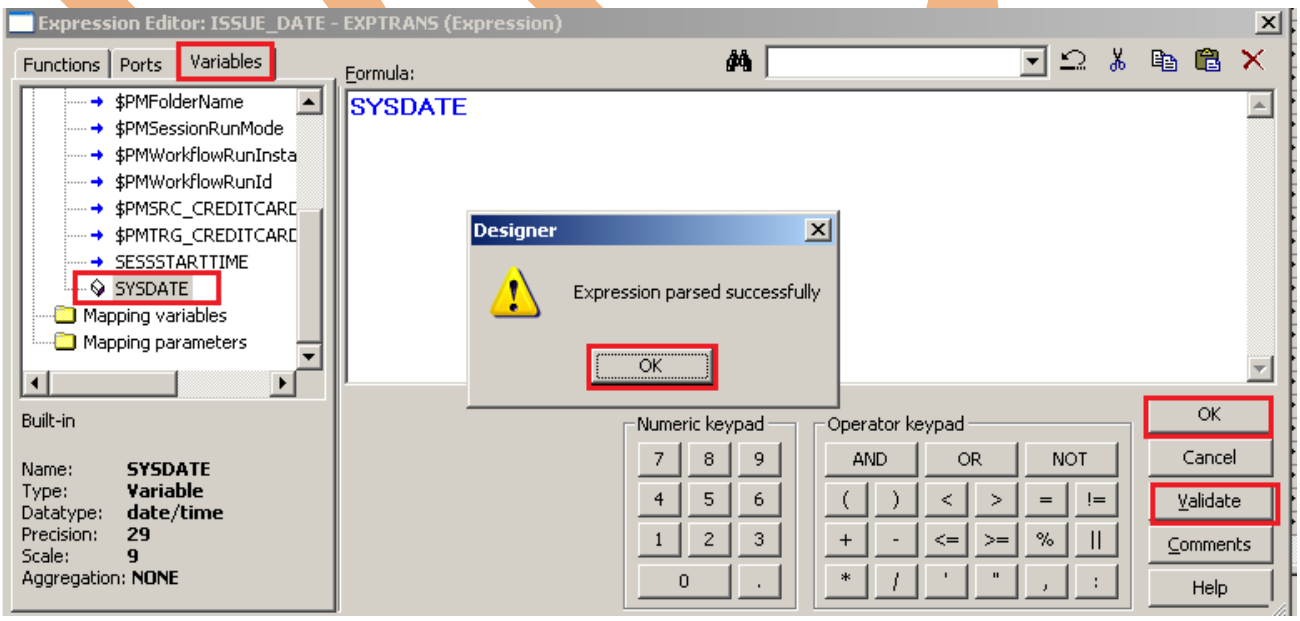


Step-16 Then select ISSUE_DATE as a output, then click for write expression.

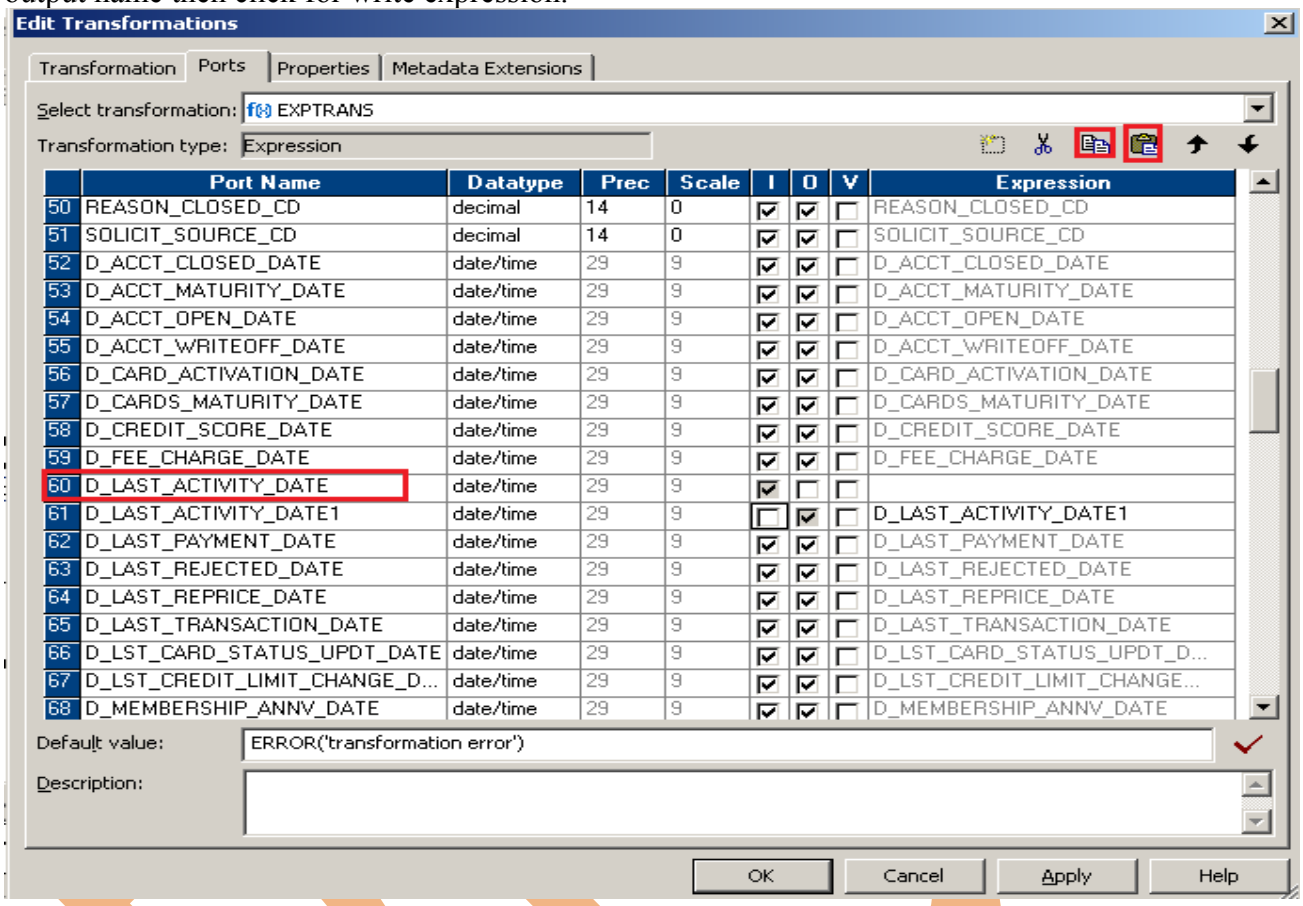


SYSDATE

Step-17 SYSDATE - This variable show current date.
Then click on Variables tab and select SYSDATE.



Step-18 Then create dummy column of D_LAST_ACTIVITY_DATE and rename of this column and then select D_LAST_ACTIVITY_DATE as a Input and O_D_LAST_ACTIVITY_DATE as a output name then click for write expression.



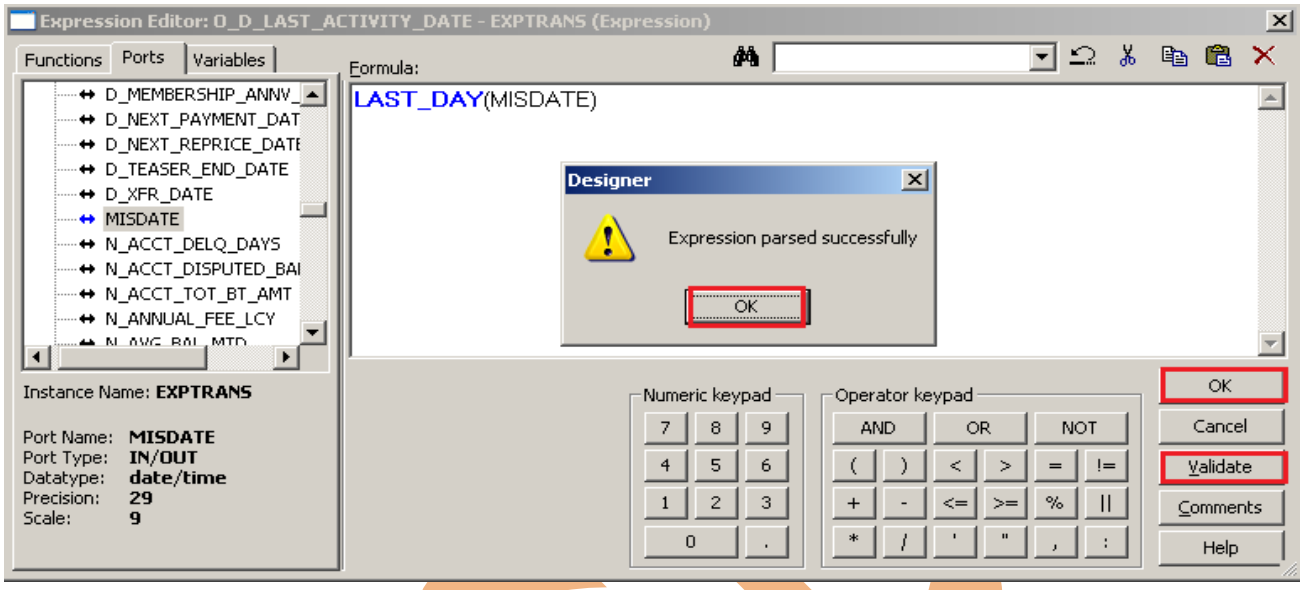
LAST_DAY

Step-19 LAST_DAY function - The LAST_DAY function returns the date of the last day of the month for each date in a port.

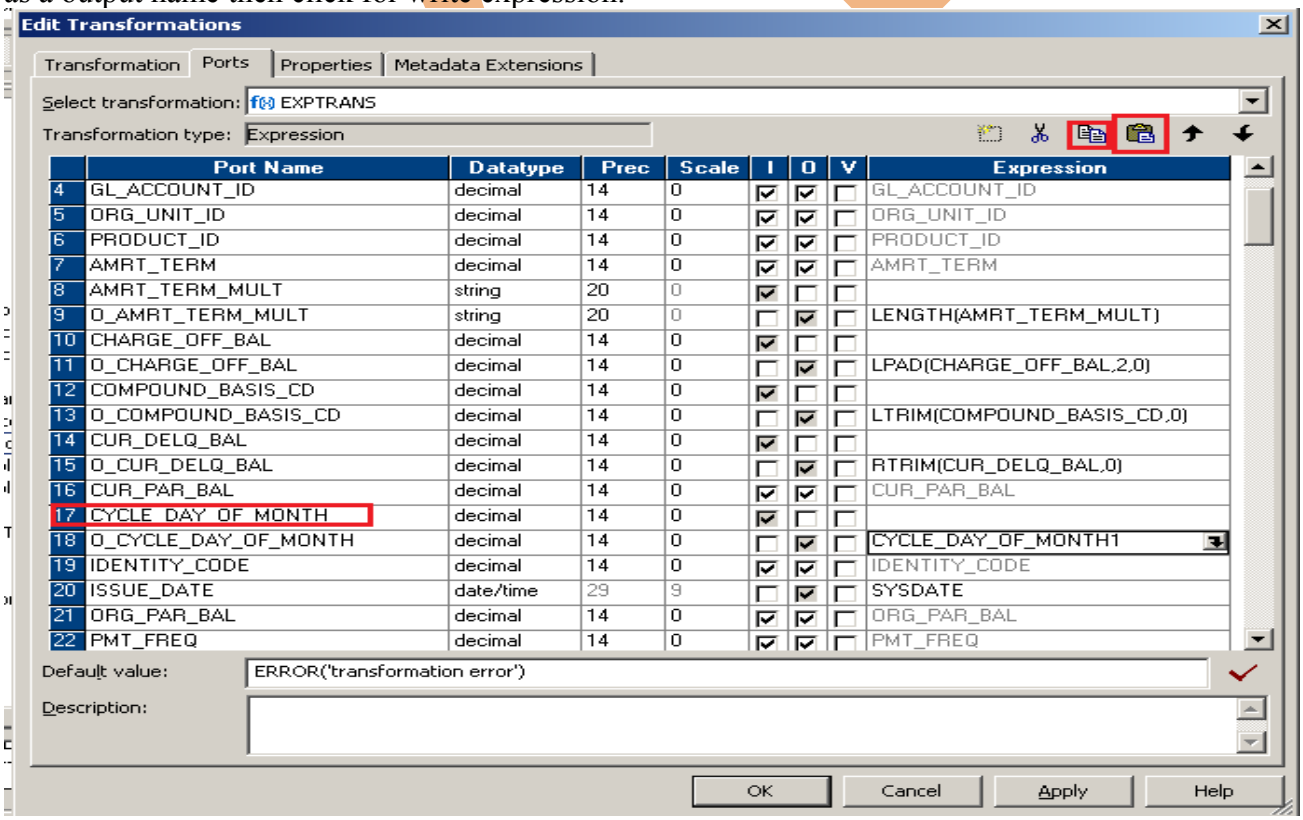
Syntax

LAST_DAY(date)

Then click on Functions tab and select LAST_DATE function then select column on Ports tab.



Step-20 Then create dummy column of CYCLE_DAY_OFF_MONTHS and rename of this column and then select CYCLE_DAY_OFF_MONTHS as a Input and O_CYCLE_DAY_OFF_MONTHS as a output name then click for write expression.



TO_DECIMAL

Step-21 TO_DECIMAL - The TO_DECIMAL function converts any value (except binary) to a decimal.

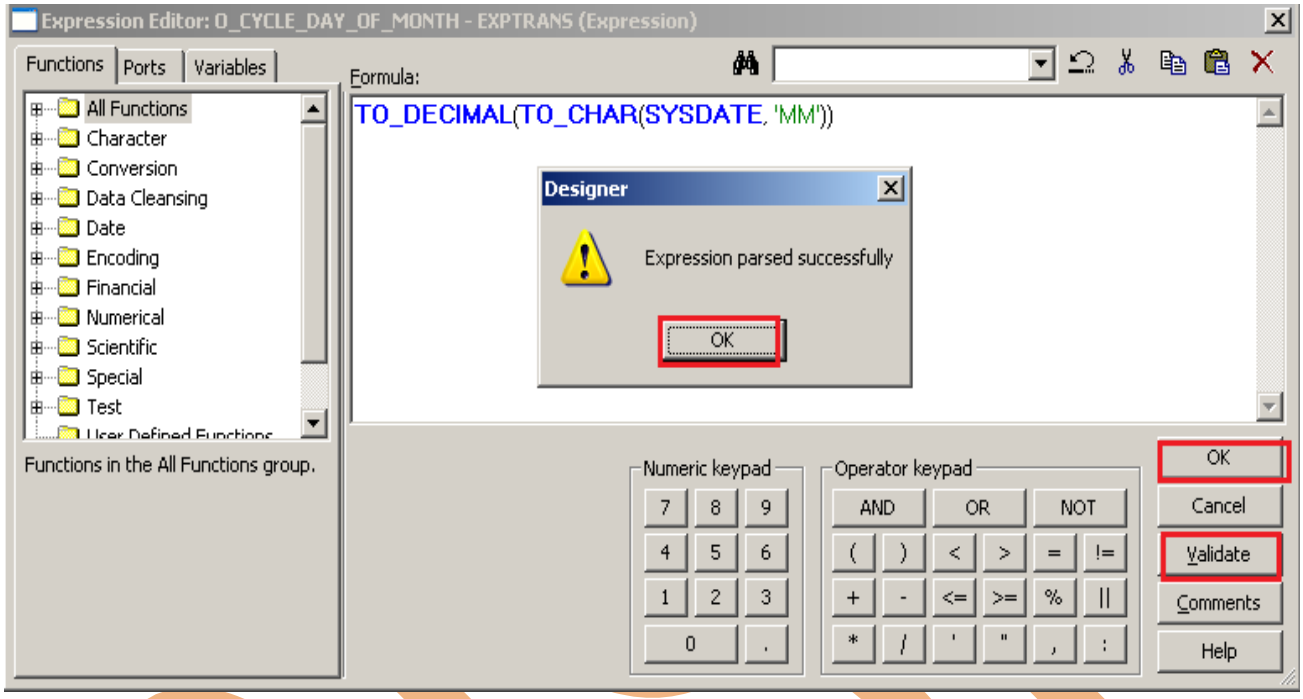
Syntax

TO_DECIMAL(value, scale)

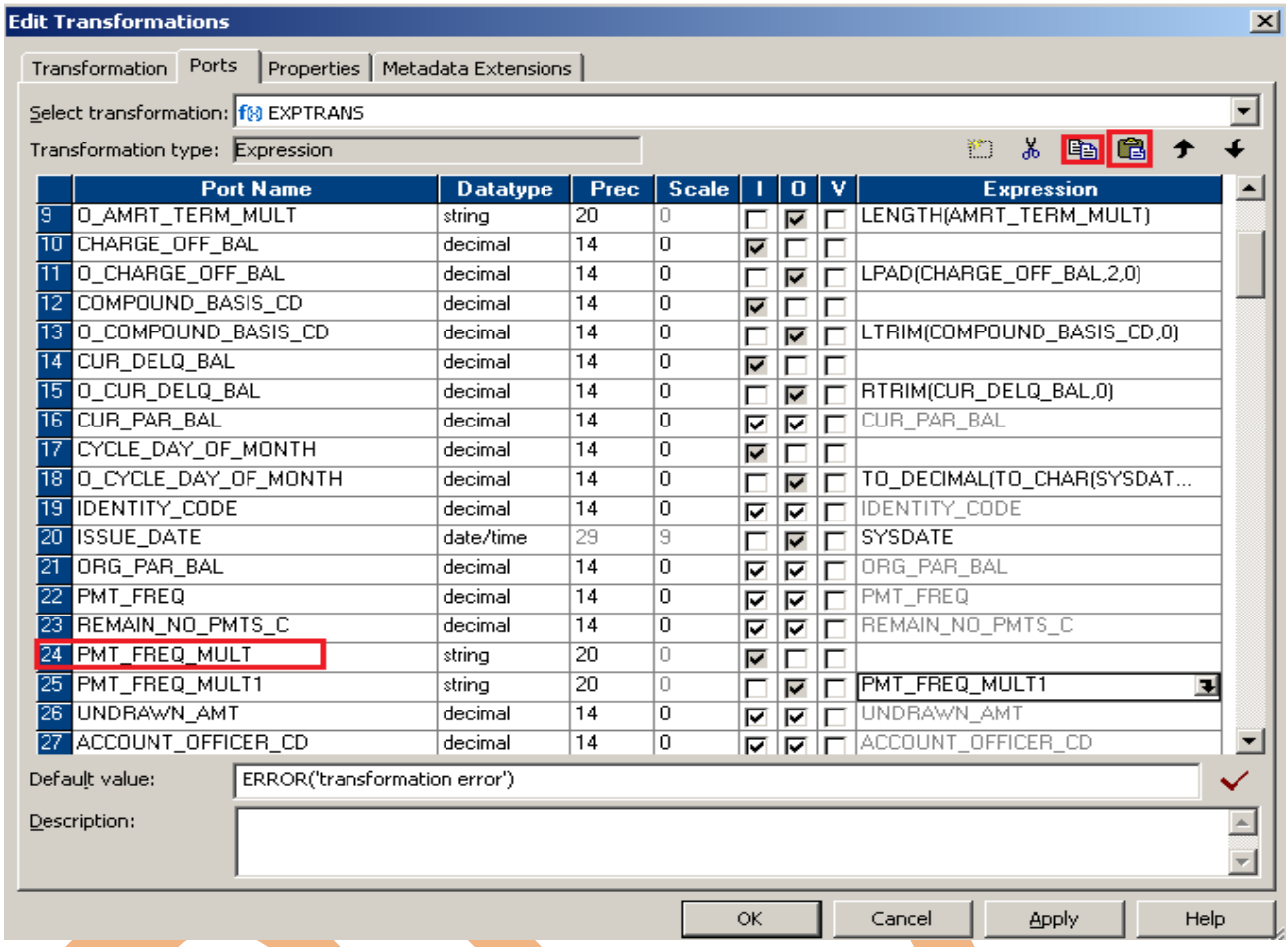
TO_CHAR - The TO_CHAR function converts numeric values and dates to text strings.

Syntax

TO_CHAR(numeric)
TO_CHAR (date, format)
Then click on Functions tab and select TO_DECIMAL and then select TO_CHAR after that select SYSDATE from Variables and give format.. This is nested function expression.



Step-22 Then create dummy column of PMT_FREQ_MULT and rename of this column and then select PMT_FREQ_MULT as a Input and O_PMT_FREQ_MULT as a output name then click for write expression.



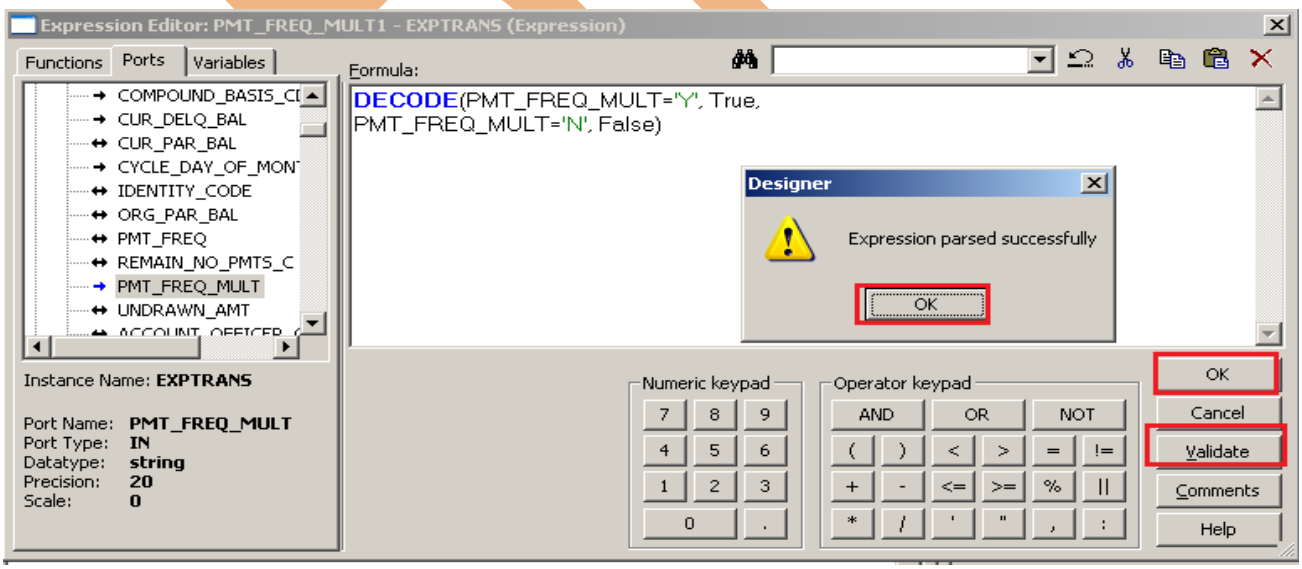
DECODE function

Step-23 DECODE function - DECODE function searches a port for the specified value. It is use as a CASE Expression.

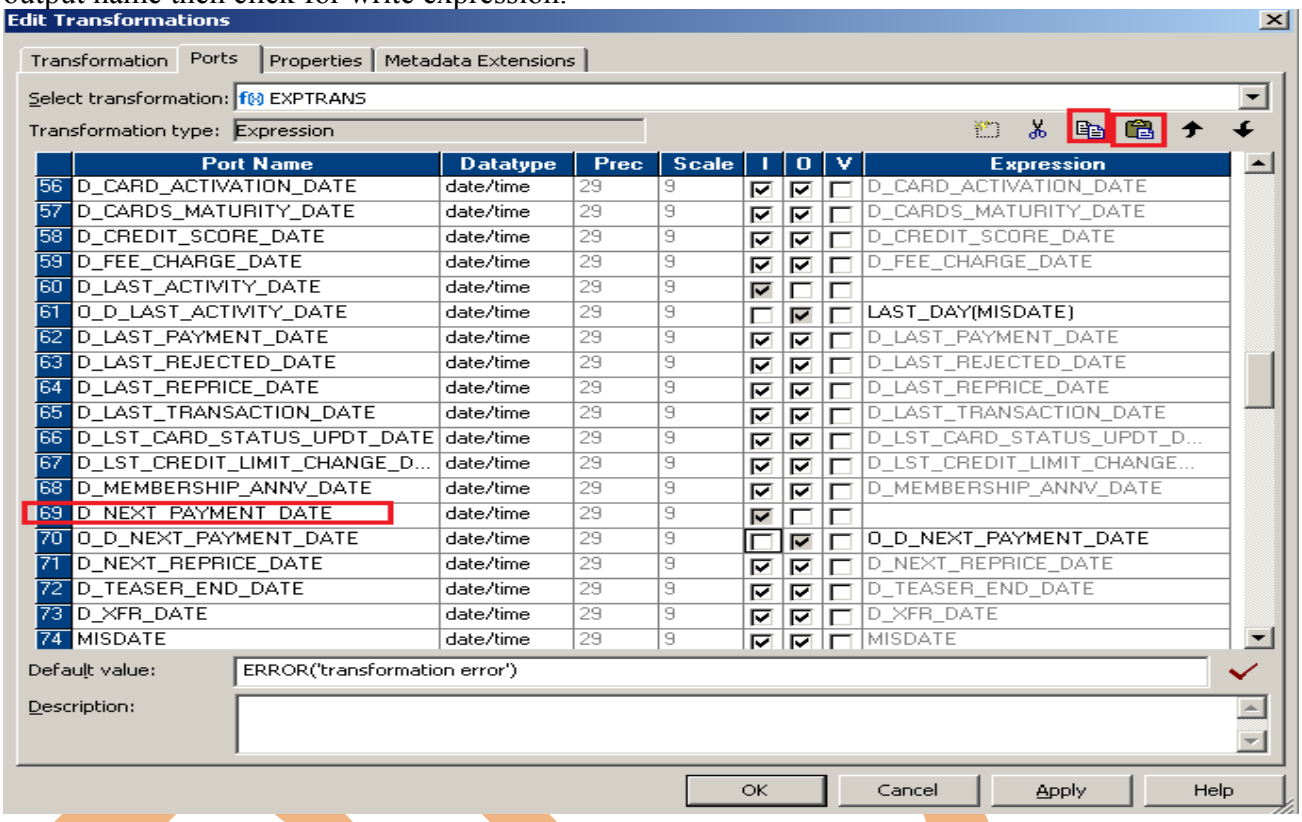
Syntax

DECODE(value, first_search, first_result , second_search, second_result, default)

Then click on Functions tab and select DECODE function then select column on Ports tab.



Step-24 Then create dummy column of D_NEXT_PAYMENT_DATE and rename of this column and then select D_NEXT_PAYMENT_DATE as a Input and O_ D_NEXT_PAYMENT_DATE as a output name then click for write expression.



	Port Name	Datatype	Prec	Scale	I	O	V	Expression
56	D_CARD_ACTIVATION_DATE	date/time	29	9	☑	☑	☐	D_CARD_ACTIVATION_DATE
57	D_CARDS_MATURITY_DATE	date/time	29	9	☑	☑	☐	D_CARDS_MATURITY_DATE
58	D_CREDIT_SCORE_DATE	date/time	29	9	☑	☑	☐	D_CREDIT_SCORE_DATE
59	D_FEE_CHARGE_DATE	date/time	29	9	☑	☑	☐	D_FEE_CHARGE_DATE
60	D_LAST_ACTIVITY_DATE	date/time	29	9	☑	☐	☐	
61	O_D_LAST_ACTIVITY_DATE	date/time	29	9	☐	☑	☐	LAST_DAY(MISDATE)
62	D_LAST_PAYMENT_DATE	date/time	29	9	☑	☑	☐	D_LAST_PAYMENT_DATE
63	D_LAST_REJECTED_DATE	date/time	29	9	☑	☑	☐	D_LAST_REJECTED_DATE
64	D_LAST_REPRICE_DATE	date/time	29	9	☑	☑	☐	D_LAST_REPRICE_DATE
65	D_LAST_TRANSACTION_DATE	date/time	29	9	☑	☑	☐	D_LAST_TRANSACTION_DATE
66	D_LST_CARD_STATUS_UPDT_DATE	date/time	29	9	☑	☑	☐	D_LST_CARD_STATUS_UPDT_D...
67	D_LST_CREDIT_LIMIT_CHANGE_D...	date/time	29	9	☑	☑	☐	D_LST_CREDIT_LIMIT_CHANGE...
68	D_MEMBERSHIP_ANNV_DATE	date/time	29	9	☑	☑	☐	D_MEMBERSHIP_ANNV_DATE
69	D_NEXT_PAYMENT_DATE	date/time	29	9	☑	☐	☐	
70	O_D_NEXT_PAYMENT_DATE	date/time	29	9	☐	☑	☐	O_D_NEXT_PAYMENT_DATE
71	D_NEXT_REPRICE_DATE	date/time	29	9	☑	☑	☐	D_NEXT_REPRICE_DATE
72	D_TEASER_END_DATE	date/time	29	9	☑	☑	☐	D_TEASER_END_DATE
73	D_XFR_DATE	date/time	29	9	☑	☑	☐	D_XFR_DATE
74	MISDATE	date/time	29	9	☑	☑	☐	MISDATE

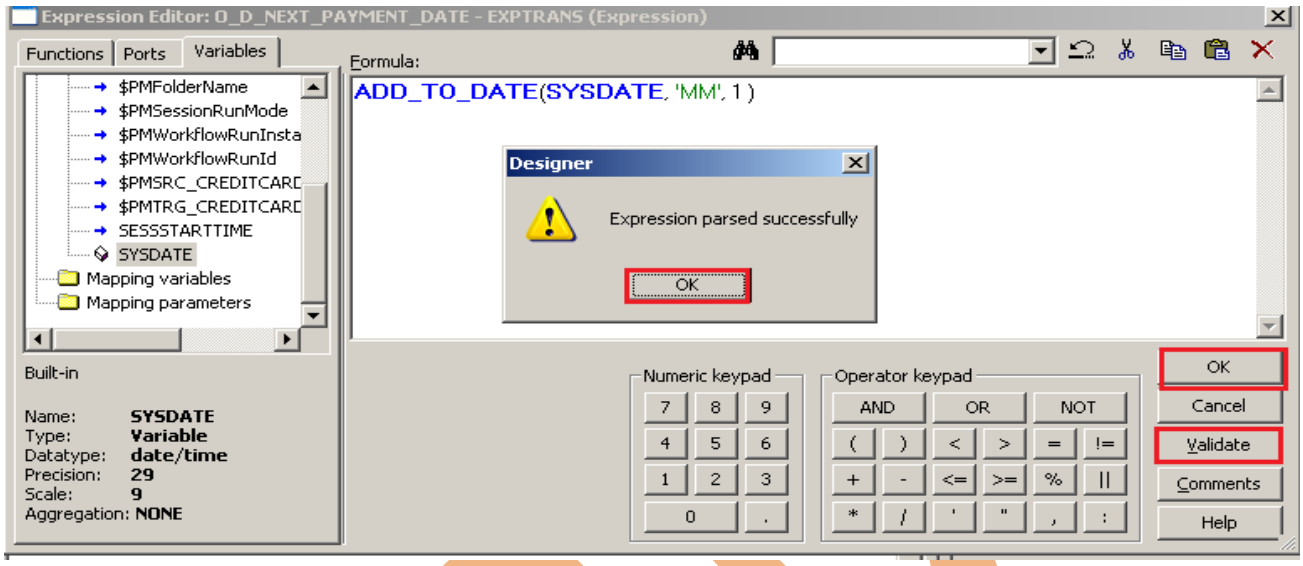
ADD_TO_DATE

Step-25 ADD_TO_DATE - ADD_TO_DATE function adds a specified amount to one part of a date/time value, and returns a date in the same format as the specified date.

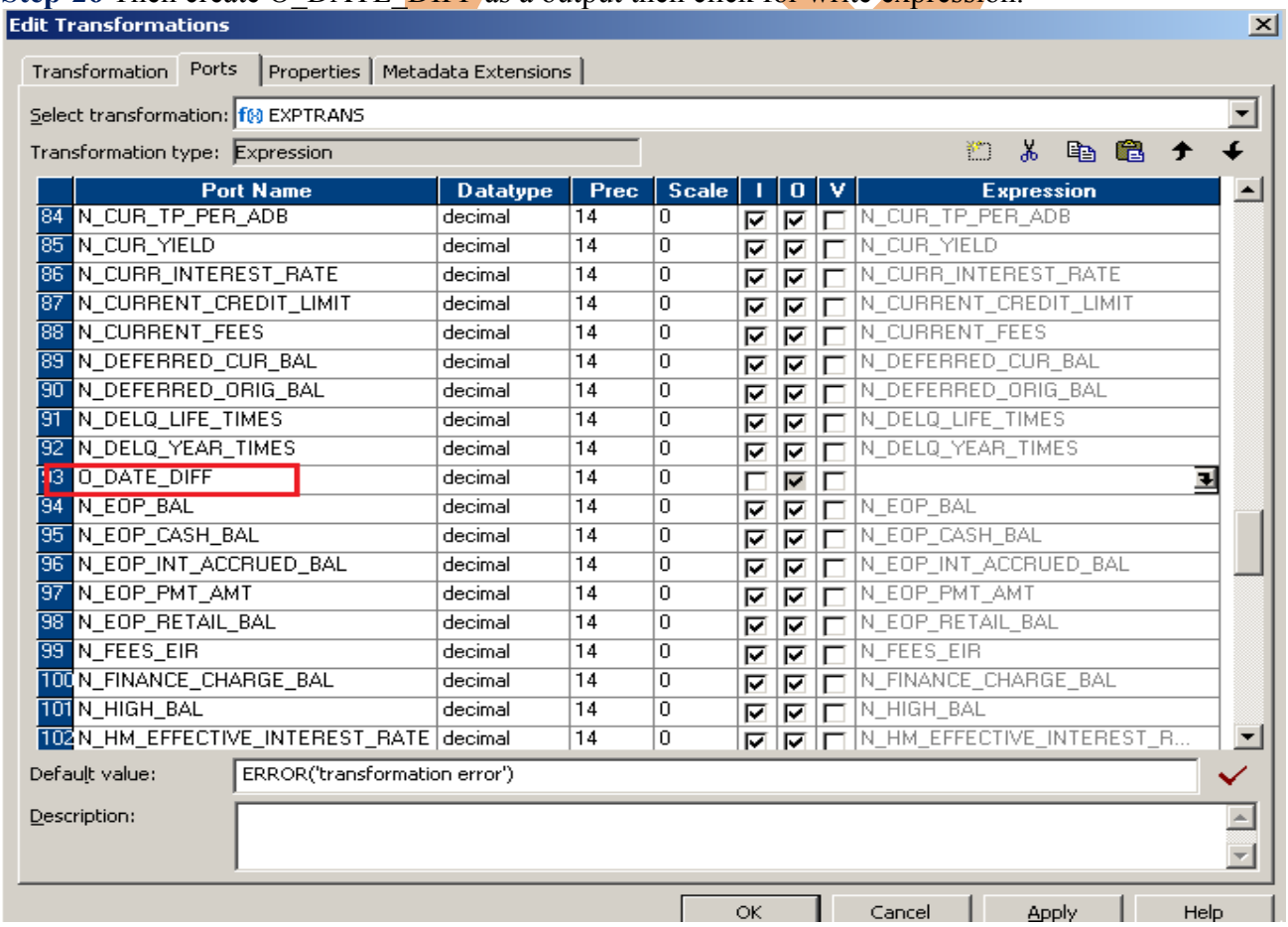
Syntax

ADD_TO_DATE(date, format, amount)

Then click on Functions tab and select ADD_TO_DATE function then select column on Ports tab.



Step-26 Then create O_DATE_DIFF as a output then click for write expression.



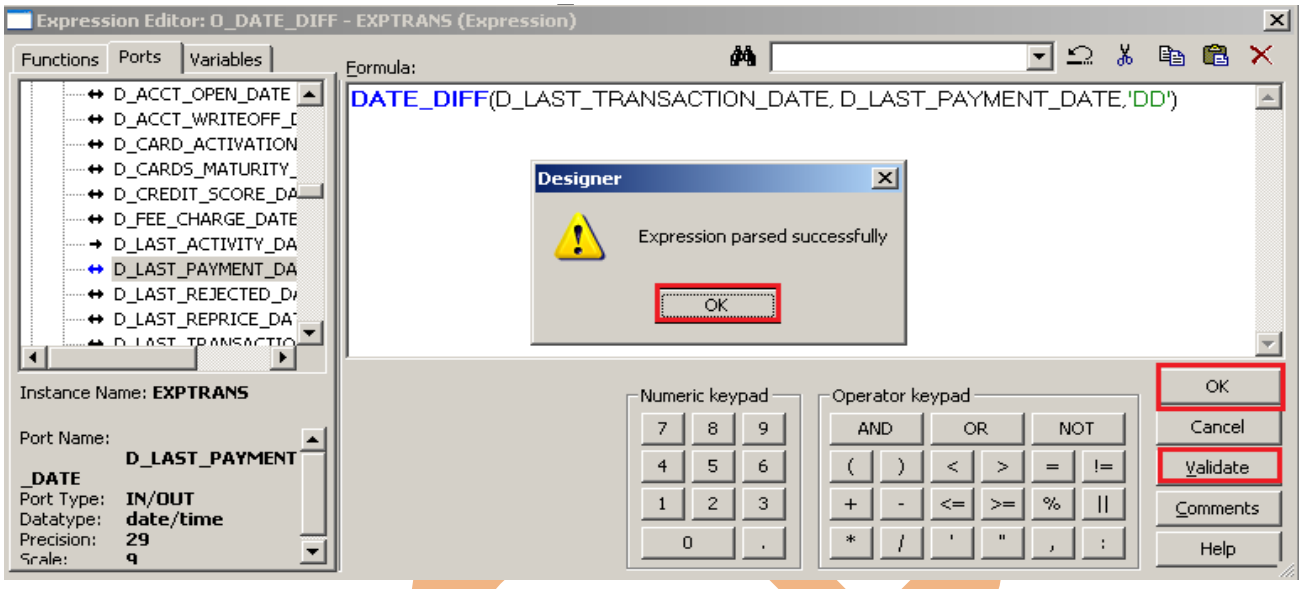
DATE_DIFF

Step-27 DATE_DIFF - The DATE_DIFF function returns the length of time between two dates, measured in the specified increment (years, months, days, hours, minutes, or seconds).

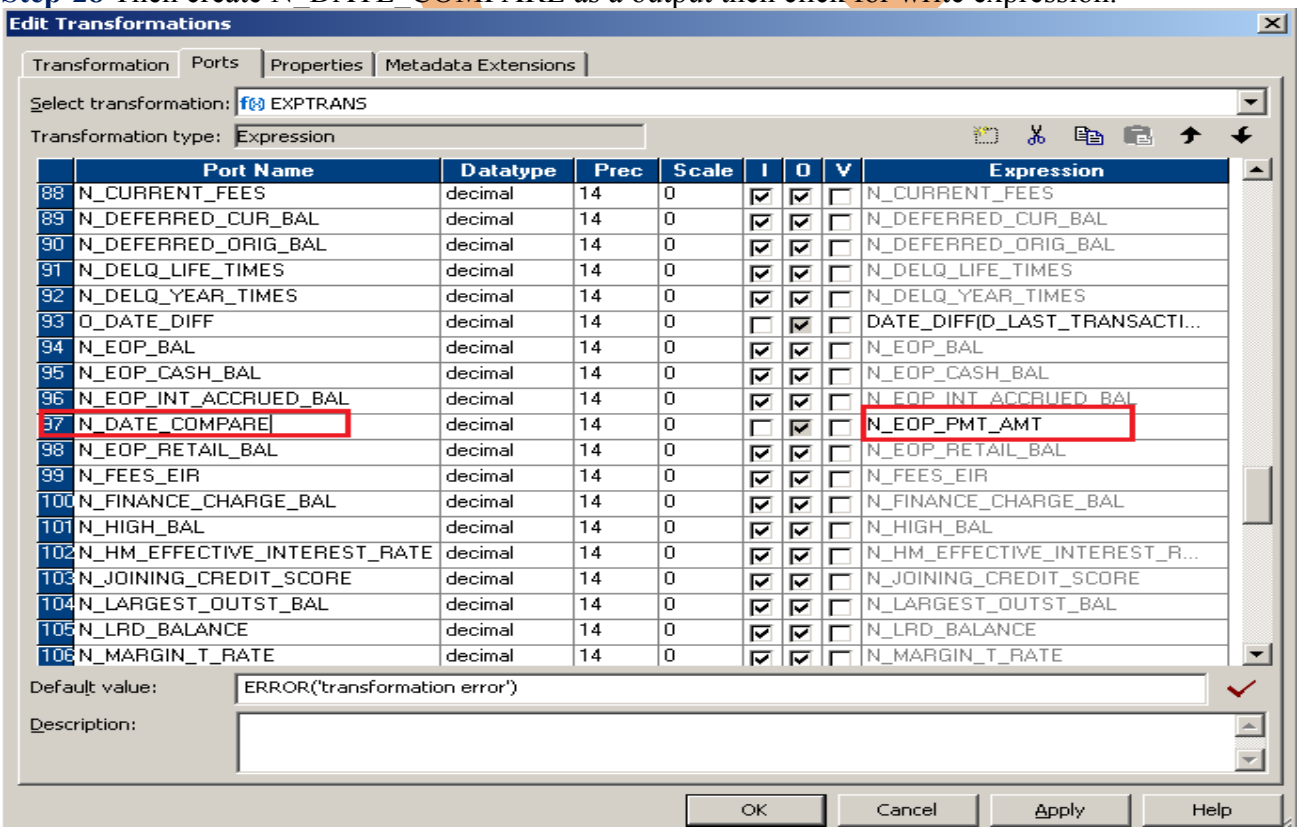
Syntax

DATE_DIFF(date1, date2, format)

Then click on Functions tab and select date_diff function then select column on Ports tab.



Step-28 Then create N_DATE_COMPARE as a output then click for write expression.



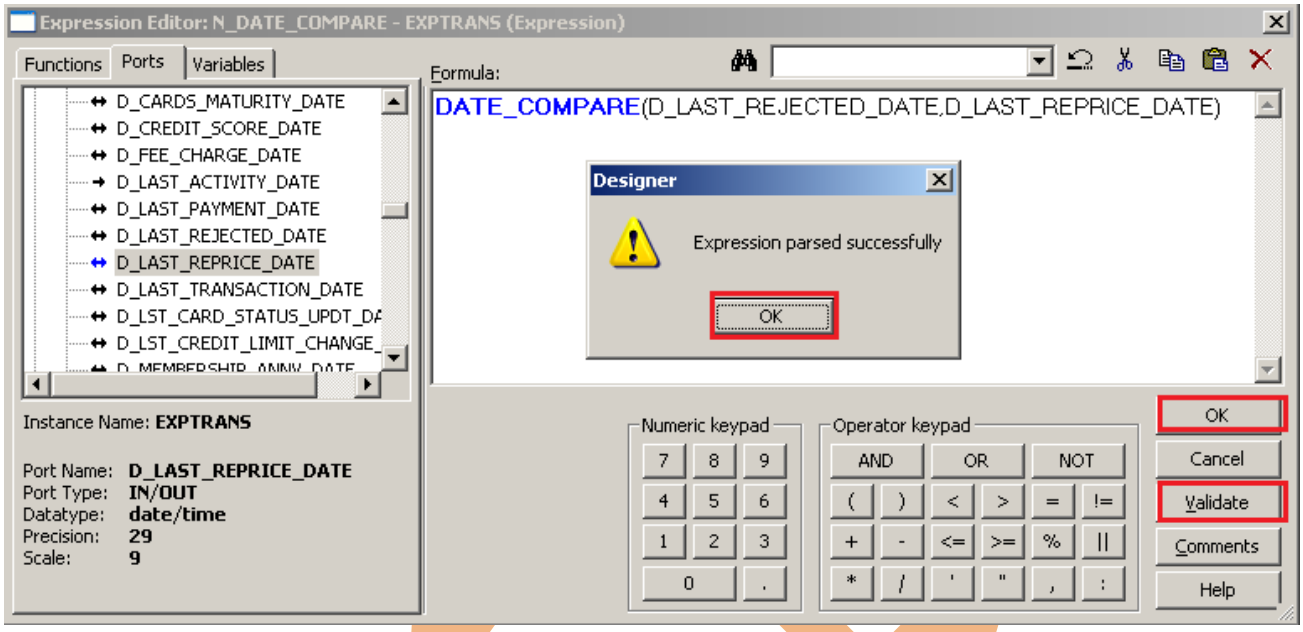
DATE_COMPARE

Step-29 DATE_COMPARE- The DATE_COMPARE function returns a value indicating the earlier of two dates.

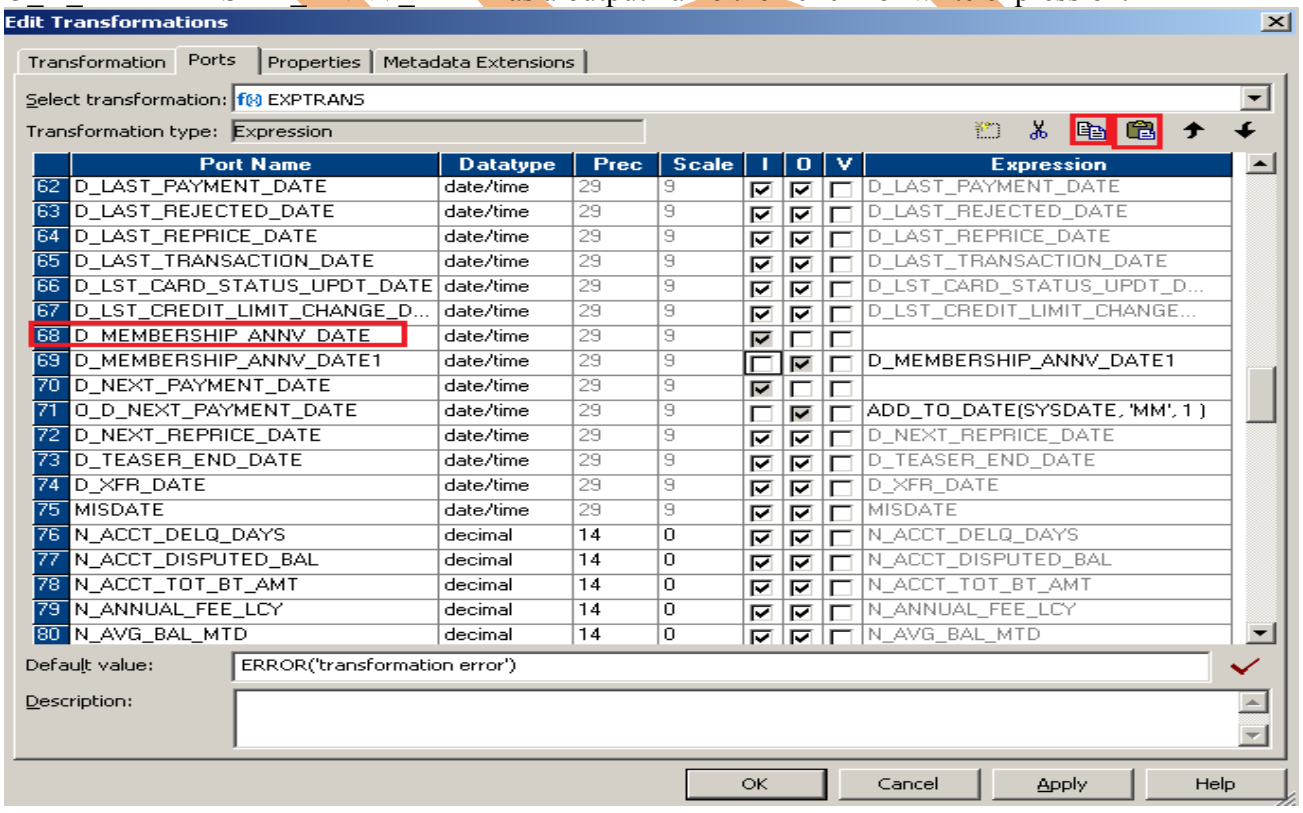
Syntax

DATE_COMPARE(date1, date2)

Then click on Functions tab and select DATE_COMPARE function then select column on Ports tab.



Step-30 Then create dummy column of D_MEMBERSHIP_ANNV_DATE and rename of this column and then select D_MEMBERSHIP_ANNV_DATE as a Input and O_D_MEMBERSHIP_ANNV_DATE as a output name then click for write expression.



	Port Name	Datatype	Prec	Scale	I	O	V	Expression
62	D_LAST_PAYMENT_DATE	date/time	29	9	☑	☑	☐	D_LAST_PAYMENT_DATE
63	D_LAST_REJECTED_DATE	date/time	29	9	☑	☑	☐	D_LAST_REJECTED_DATE
64	D_LAST_REPRICE_DATE	date/time	29	9	☑	☑	☐	D_LAST_REPRICE_DATE
65	D_LAST_TRANSACTION_DATE	date/time	29	9	☑	☑	☐	D_LAST_TRANSACTION_DATE
66	D_LST_CARD_STATUS_UPDT_DATE	date/time	29	9	☑	☑	☐	D_LST_CARD_STATUS_UPDT_D...
67	D_LST_CREDIT_LIMIT_CHANGE_D...	date/time	29	9	☑	☑	☐	D_LST_CREDIT_LIMIT_CHANGE...
68	D_MEMBERSHIP_ANNV_DATE	date/time	29	9	☑	☐	☐	
69	D_MEMBERSHIP_ANNV_DATE1	date/time	29	9	☐	☑	☐	D_MEMBERSHIP_ANNV_DATE1
70	D_NEXT_PAYMENT_DATE	date/time	29	9	☑	☐	☐	
71	O_D_NEXT_PAYMENT_DATE	date/time	29	9	☐	☑	☐	ADD_TO_DATE(SYSDATE, 'MM', 1)
72	D_NEXT_REPRICE_DATE	date/time	29	9	☑	☑	☐	D_NEXT_REPRICE_DATE
73	D_TEASER_END_DATE	date/time	29	9	☑	☑	☐	D_TEASER_END_DATE
74	D_XFR_DATE	date/time	29	9	☑	☑	☐	D_XFR_DATE
75	MISDATE	date/time	29	9	☑	☑	☐	MISDATE
76	N_ACCT_DELQ_DAYS	decimal	14	0	☑	☑	☐	N_ACCT_DELQ_DAYS
77	N_ACCT_DISPUTED_BAL	decimal	14	0	☑	☑	☐	N_ACCT_DISPUTED_BAL
78	N_ACCT_TOT_BT_AMT	decimal	14	0	☑	☑	☐	N_ACCT_TOT_BT_AMT
79	N_ANNUAL_FEE_LCY	decimal	14	0	☑	☑	☐	N_ANNUAL_FEE_LCY
80	N_AVG_BAL_MTD	decimal	14	0	☑	☑	☐	N_AVG_BAL_MTD

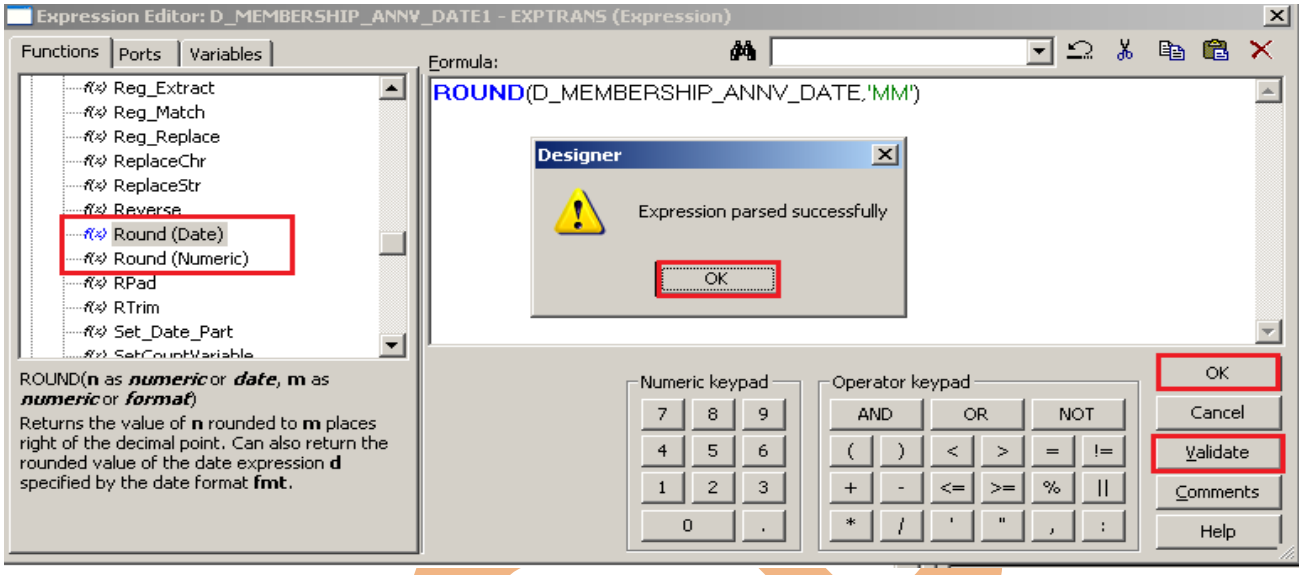
ROUND

Step-31 **ROUND -** The ROUND function rounds one part of a date. This function use with Date and Numeric.

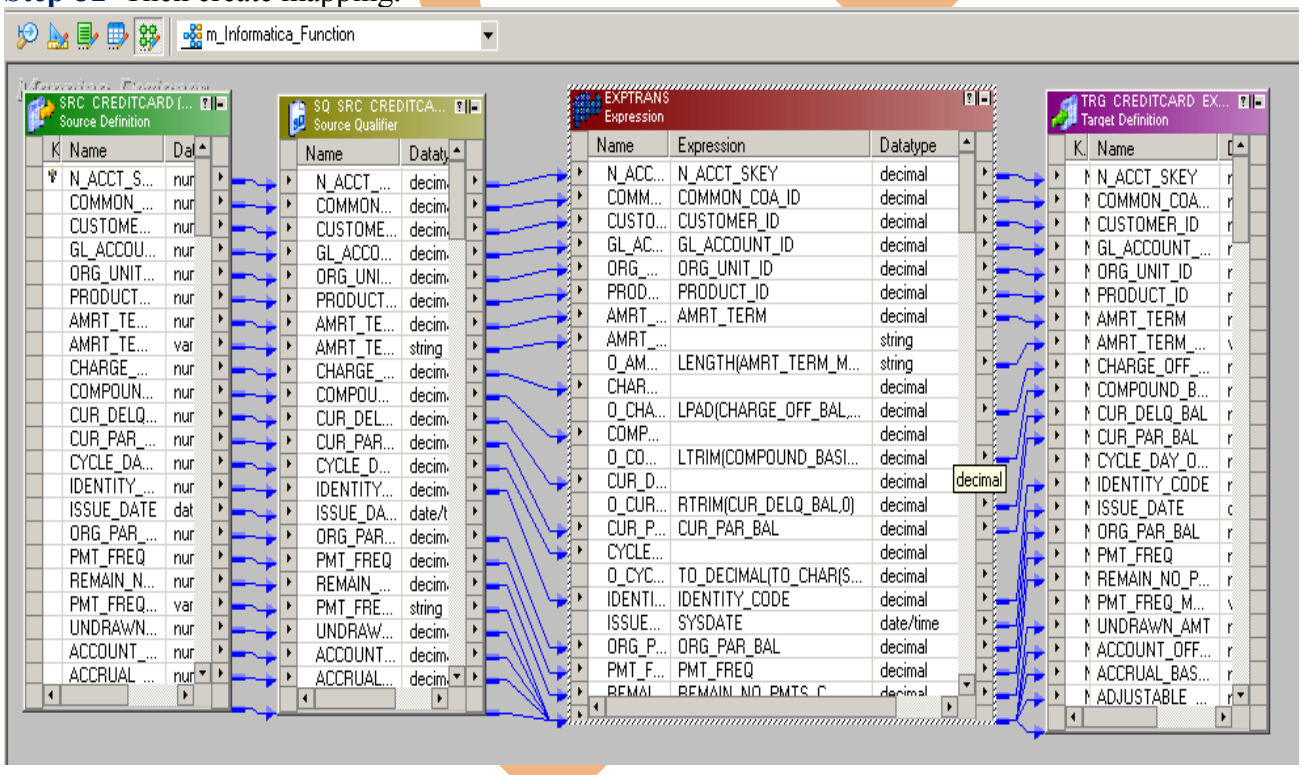
Syntax

ROUND(date, format)

Then click on Functions tab and select ROUND function then select column on Ports tab.



Step-32 Then create mapping.



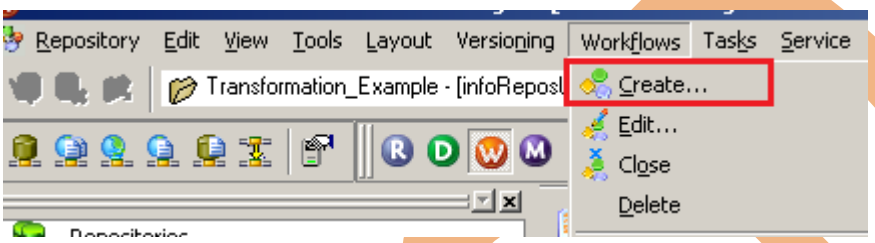
Step-33 Save mapping.

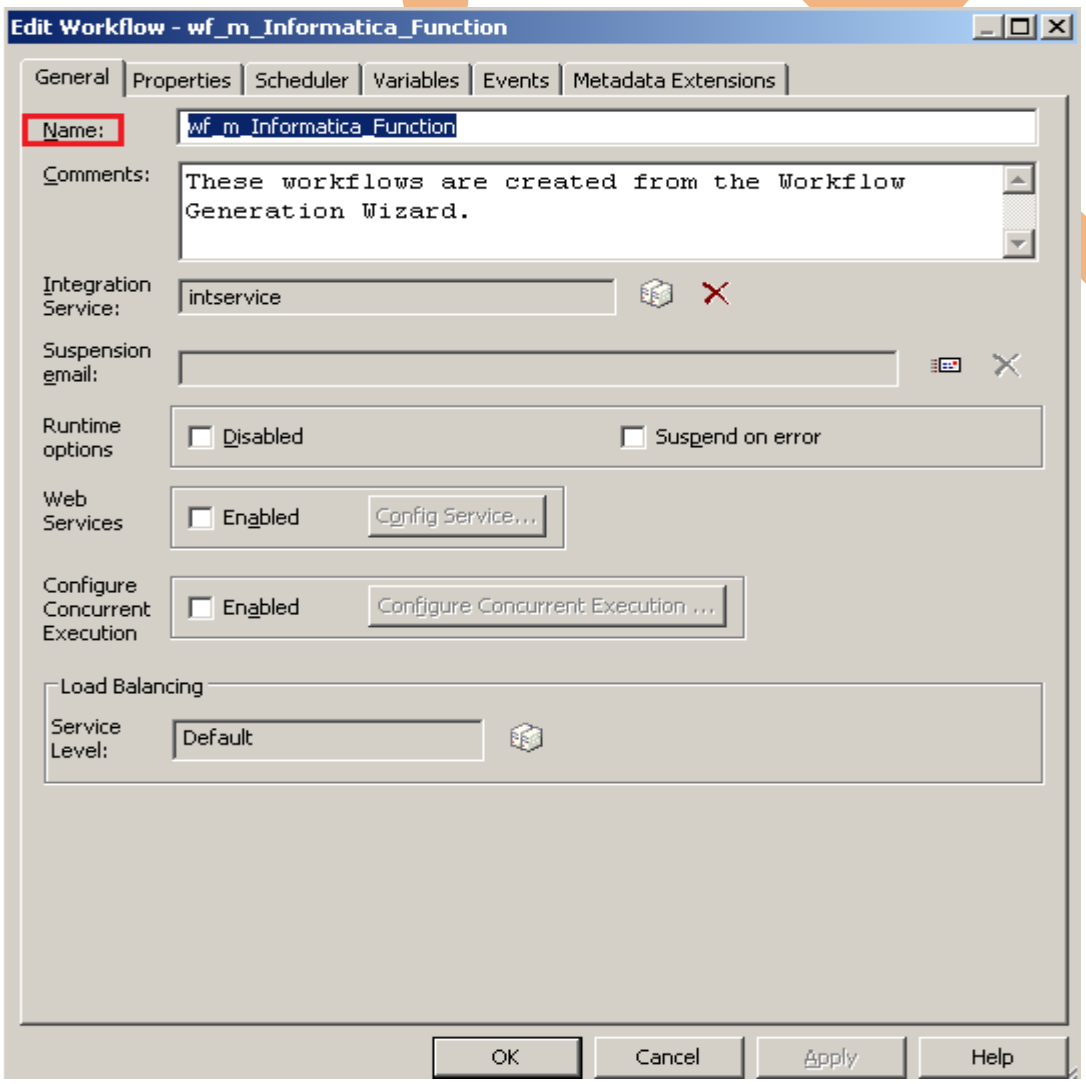
```
------------------------------------------------------------
02/04/2013 15:48:04 ** Saving... Repository infoReposUser, Folder Multiple_Source
------------------------------------------------------------
Validating transformations of mapping m_Informatica_Function...
...transformation validation completed with no errors.
Validating data flow of mapping m_Informatica_Function...
...data flow validation completed with no errors.
Parsing mapping m_Informatica_Function...
...parsing completed with no errors.

******** Mapping m_Informatica_Function is VALID ********
mapping  m_Informatica_Function updated.
------------------------------------------------------------
```

CREATE WORKFLOW

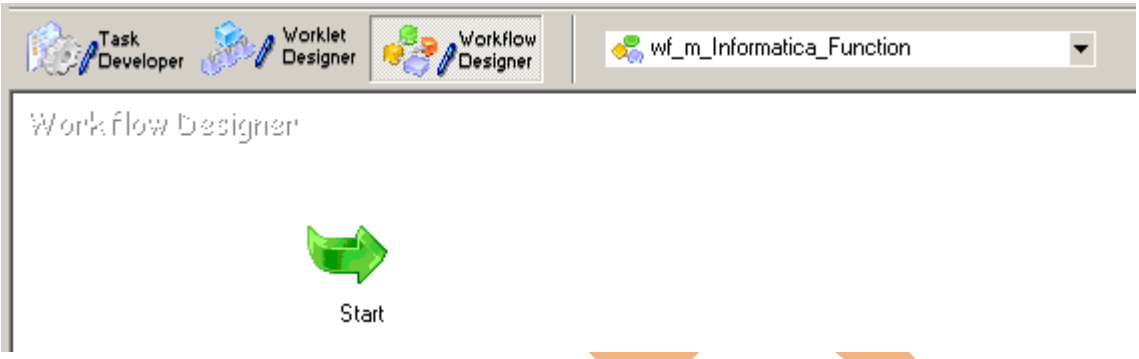
Workflow Manager: Workflow load the data between source to target b/w sequential manner. And also Define run-time properties for a mapping, known as sessions.

Step-1 Open Informatica PowerCenter Workflow Manager and then go to go to workflow designer and click on workflow menu to create workflow. Specify name of workflow and click OK.



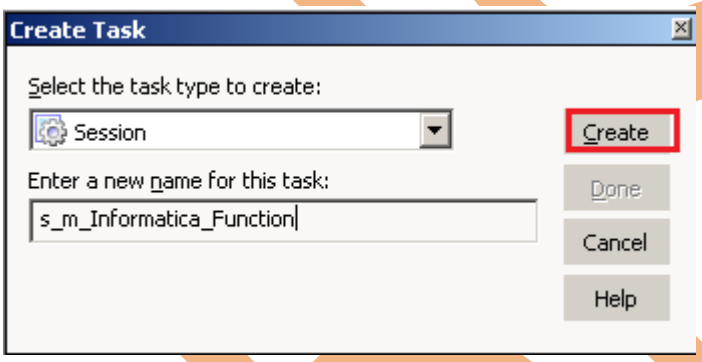


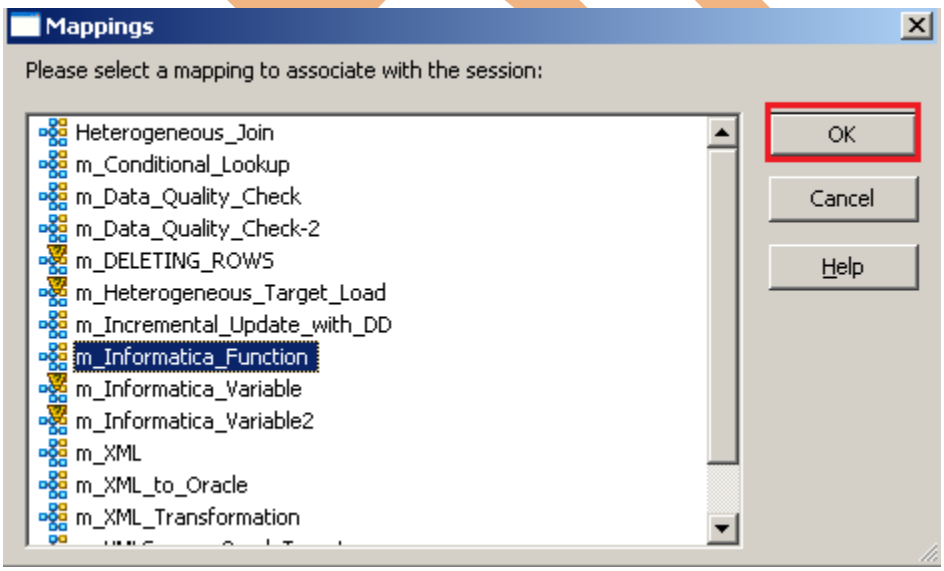
Step-2 Workflow Designer.



Step-3 Create Task and assign session, Click on Task menu and click on create and then name of session, click Create, select mapping and click OK.

SESSION - A session is a set of instructions that tells the Power Center Server how and when to move data from sources to targets.



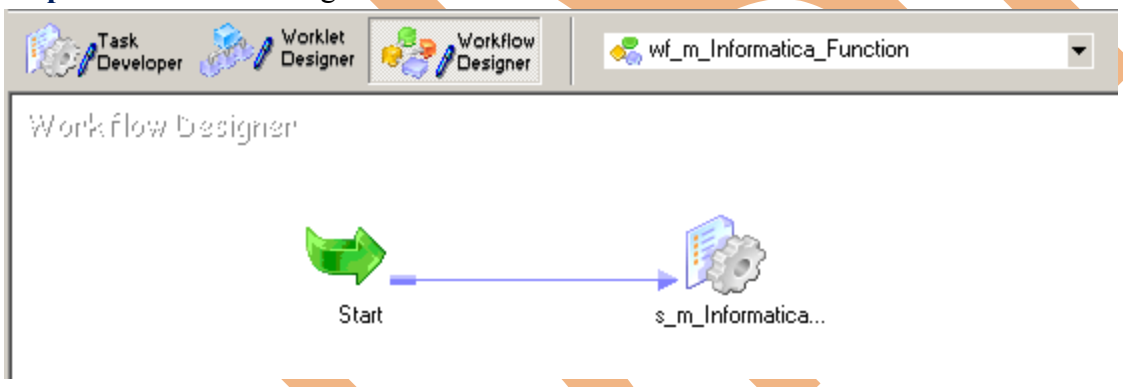


Step-4 Session in workflow designer windows.

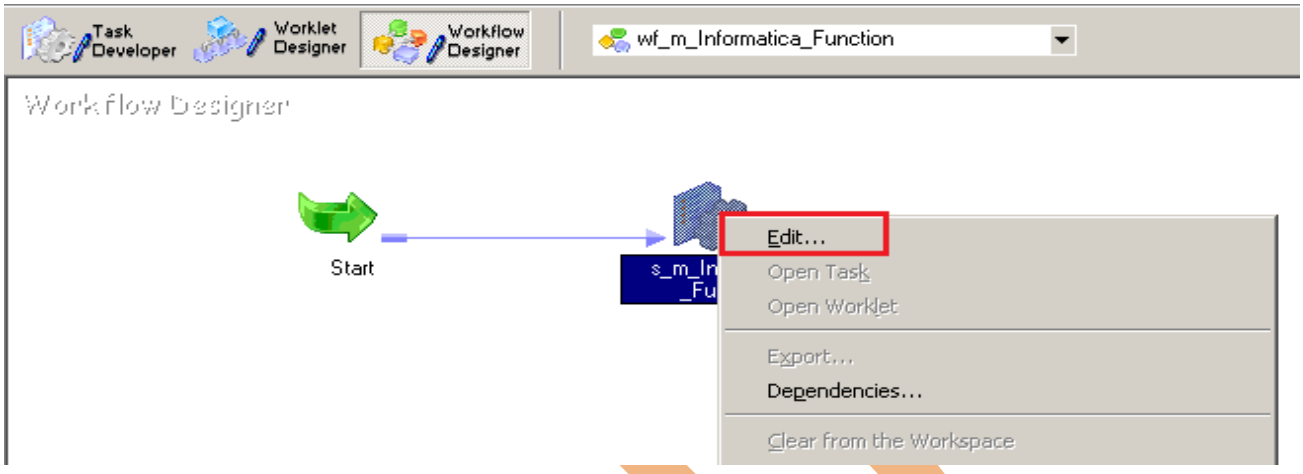
Step-5 Now create flow B/W Workflow to Task. Select Line Task and link to Start to s_m_Informatica_Function.

Link Task - Link task to determine the order of execution in the workflow.

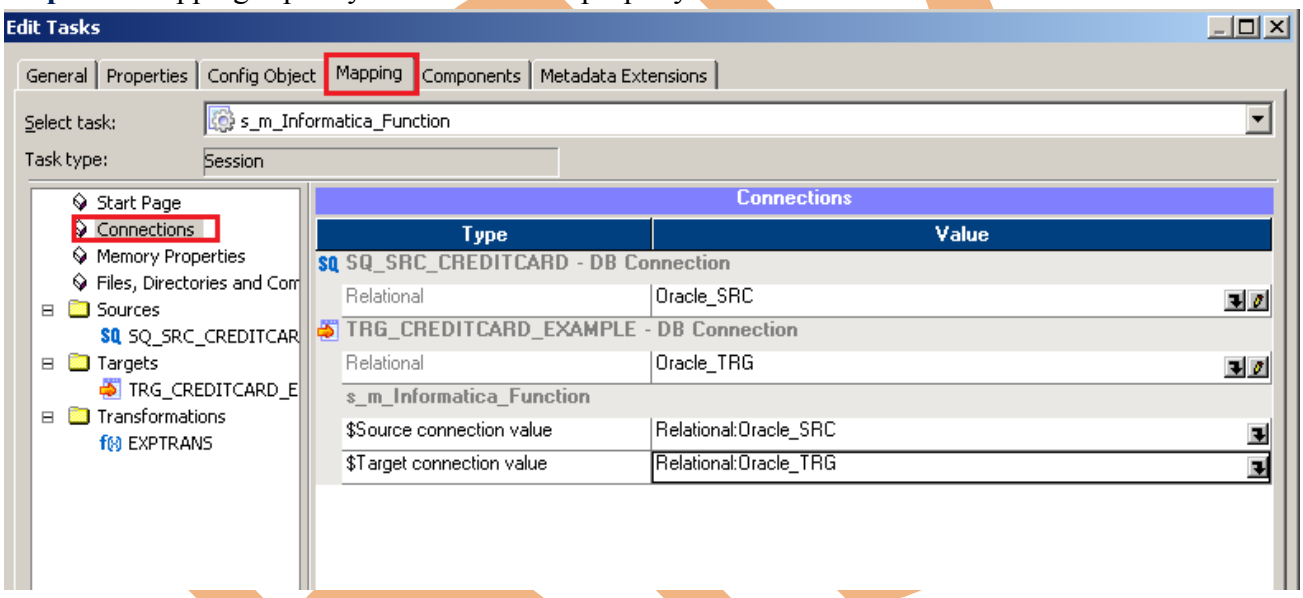
Step-6 Work Flow Designer Windows.



Step-7 Now Configure Connection to Target, Then Right Click on Expression and Edit, Then Click Mapping tab and configure connection for your Target table schema in oracle 11g RDBMS. And then click OK.



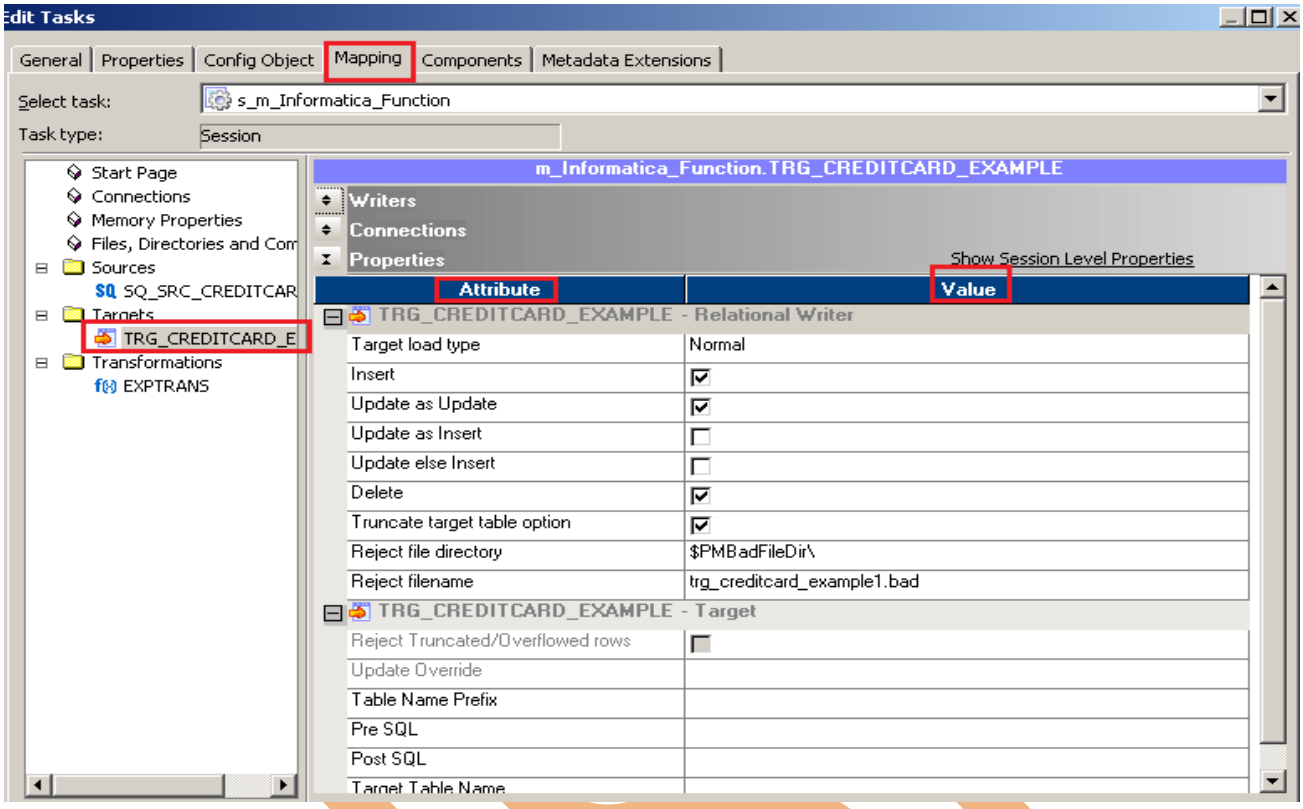
Step-8 In Mapping. Specify Connection and property.



Step-9 Set These property for target table.

- **Insert**: Check this option to insert a row in the target table.
- **Delete**: Check this option to delete a row in the target table.
- **Truncate Table**: check this option to truncate the target table before loading the data.
- **Update as Update**: Update the row in the target table.
- **Update as Insert**: Insert the row which is flagged as update.
- **Update else Insert**: If the row exists in the target table, then update the row. Otherwise, insert the row.

Set property for Target Table.



Step-10 Now save (ctrl+s) this workflow and check it

02/04/2013 14:37:46 ** Saving... Repository infoReposUser, Folder Multiple_Source

---

Validating the flow semantics of Workflow wf_m_Informatica_Function...
...flow semantics validation completed with no errors.

Validating tasks of Workflow wf_m_Informatica_Function...
...Workflow wf_m_Informatica_Function tasks validation completed with no errors.

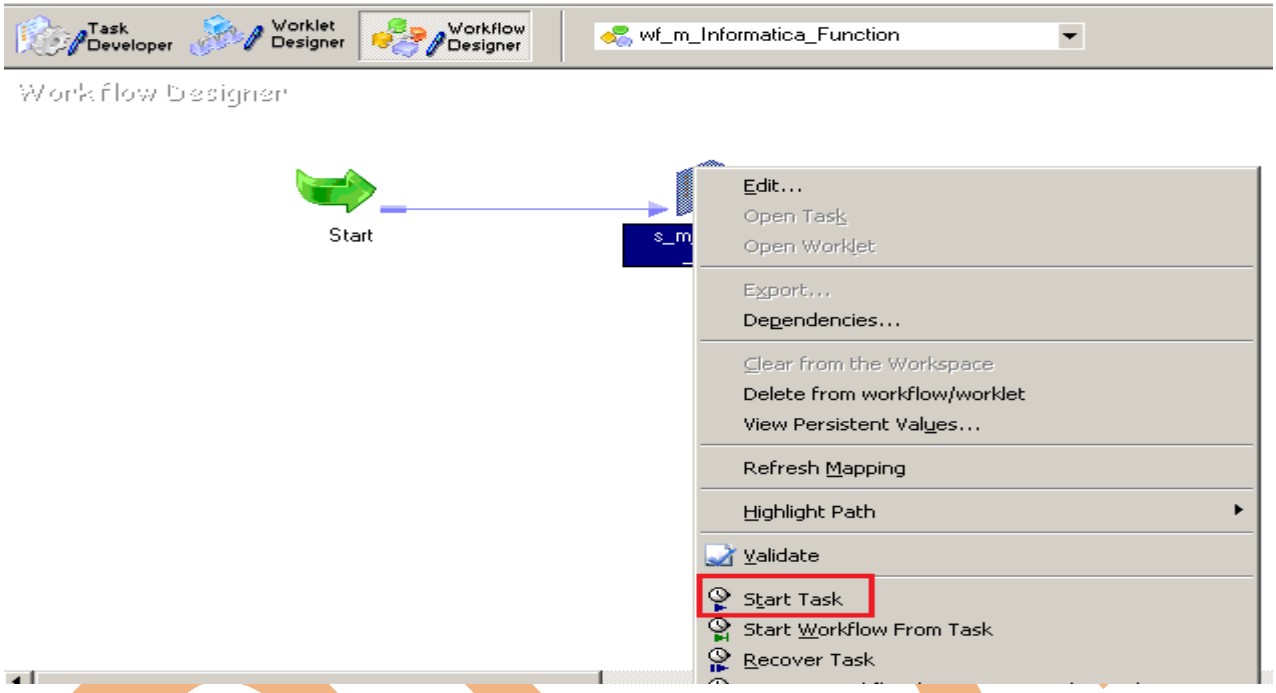
******** Workflow wf_m_Informatica_Function is VALID ********

Workflow wf_m_Informatica_Function updated.

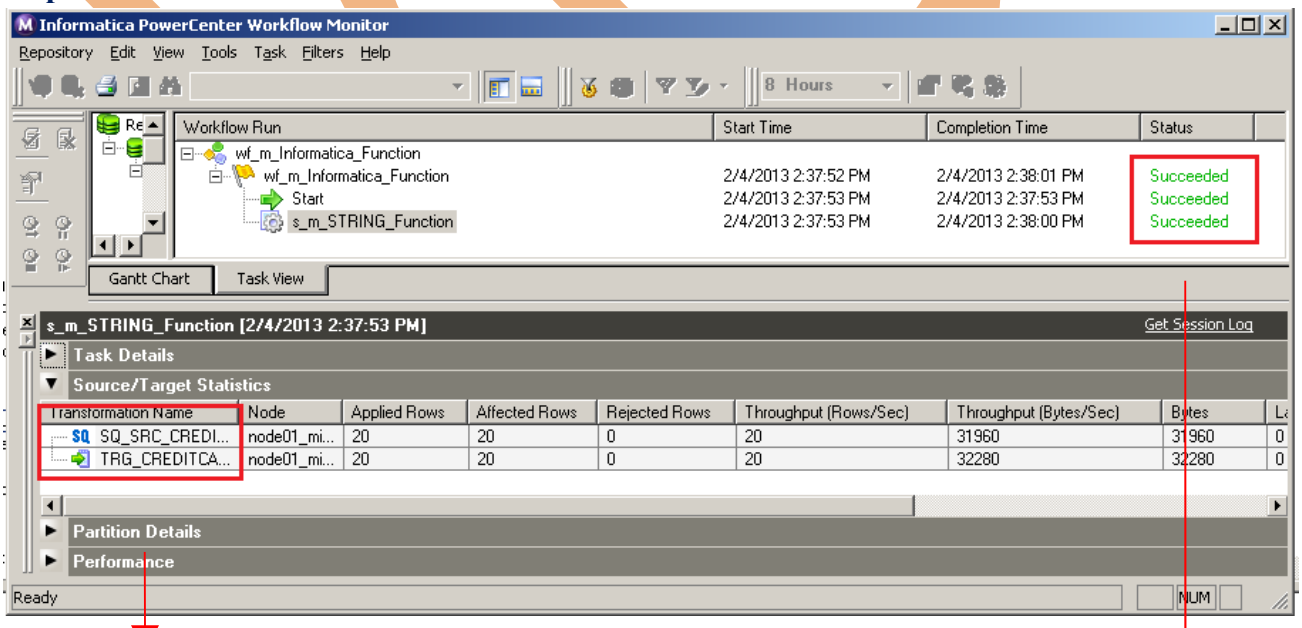
Execute Workflow, Review data and Check log File

Workflow monitor: Workflow monitor is helpful in monitoring and tracking the workflow created in Informatica power center.

Step-1 Now Start Workflow, Right click on Workflow Designer Window and Click on Start Workflow.



Step-2 Check session in Informatica PowerCenter Workflow Monitor.



Target table load.

Session successfully Succeeded

Step-3 Now view data into Oracle 11g..

admin | TRG_CREDITCARD_EXAMPLE

Columns | Data | Constraints | Grants | Statistics | Column Statistics | Triggers | Dependencies | Details | Partitions | Indexes | SQL

Sort... | Filter: Enter Where Clause | Actions...

	ACCOUNT_OFFICER_CD	N_ACCT_SKEY	COMMON_COA_ID	CUSTOMER_ID	GL_ACCOUNT_ID	ORG_...	PRODUCT_ID	AMRT_TERM	AMRT_T...	CHARGE_...	COMPO
1	52223	3	700000564	1234	511302	1500	6003	60	4	12	
2	56339	1	700000559	12346	834004	1500	6001	40	4	95	
3	55675	2	700000560	123	111002	1500	6002	50	4	21	
4	52223	3	700000564	1234	511302	1500	6003	60	4	12	
5	56339	1	700000559	12346	834004	1500	6001	40	4	95	
6	55675	2	700000560	123	111002	1500	6002	50	4	21	
7	52223	1	700000561	123	401205	1001	9876	10	4	54	
8	53110	2	700000562	1234	834003	1001	410	20	3	15	
9	60254	3	700000563	124	846131	1001	411	30	3	54	
10	55675	4	700000565	12345	27121	1001	103	40	3	13	
11	56339	5	700000568	12346	820111	1001	100	50	2	54	
12	60740	6	700000555	123	110401	1001	102	60	3	12	
13	55675	7	700000556	1234	21009	1001	202	10	3	69	
14	54706	8	700000557	124	635305	1001	505	20	3	23	
15	55675	4	700000558	12345	330590	1500	507	30	4	36	
16	56339	1	700000559	12346	834004	1500	6001	40	4	95	
17	55675	2	700000560	123	111002	1500	6002	50	4	21	
18	52223	3	700000564	1234	511302	1500	6003	60	4	12	
19	56339	4	700000571	124	401205	1500	9876	70	4	96	
20	53110	8	700000561	12345	834003	1500	410	10	4	99	

Step-4 Session Log. Right click on session and select session log.