



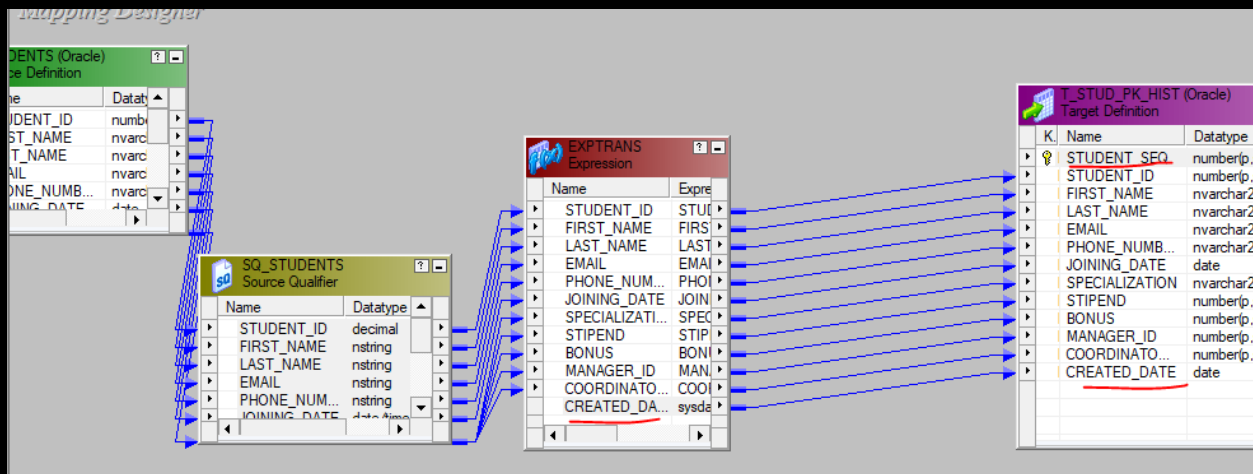
CALL/WHATSAPP - 8970853557 / 9448005273

IICS COMBO

NEXT VAL KEEP ON GENERATE NEXT VALUES

CUR VAL - IT WILL HOLD WITH CURRENT VALUE IN THE MEMORY

create the mapping



dit transformations

Transformation Ports Properties Metadata Extensions

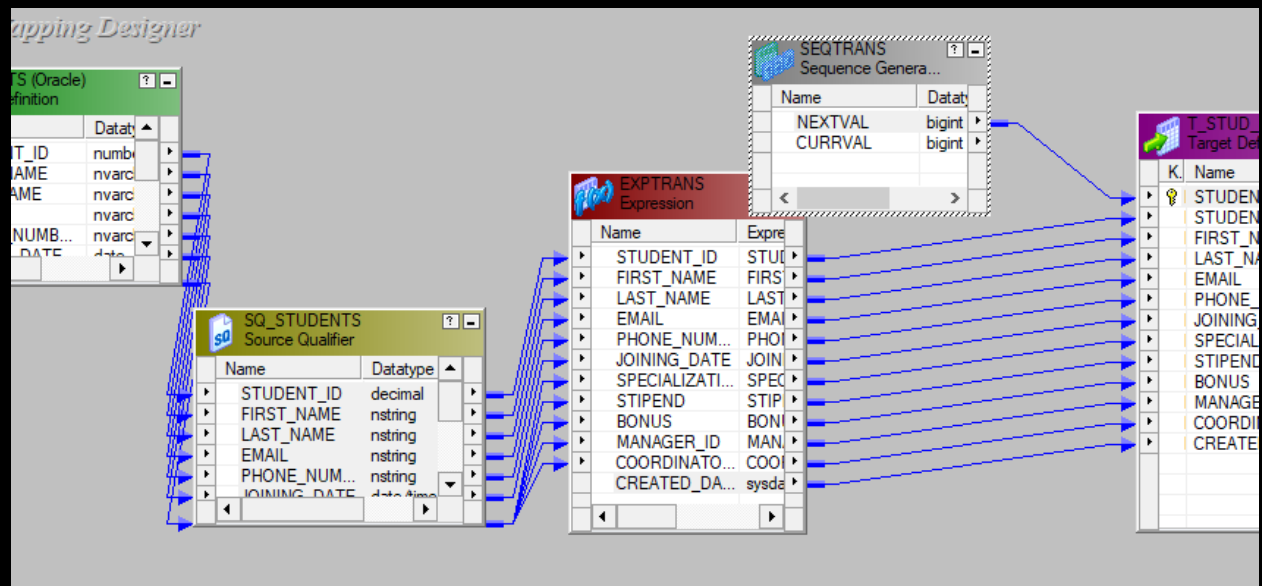
Select transformation: **EXPTRANS**

Transformation type: Expression

	Port Name	Datatype	Prec	Sc...	I	O	V	Expression
1	STUDENT_ID	decimal	6	0	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	STUDENT_ID
2	FIRST_NAME	nstring	20	0	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	FIRST_NAME
3	LAST_NAME	nstring	25	0	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	LAST_NAME
4	EMAIL	nstring	25	0	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	EMAIL
5	PHONE_NUMBER	nstring	20	0	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	PHONE_NUMBER
6	JOINING_DATE	date/time	29	9	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	JOINING_DATE
7	SPECIALIZATION	nstring	20	0	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	SPECIALIZATION
8	STIPEND	decimal	10	2	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	STIPEND
9	BONUS	decimal	10	2	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	BONUS
10	MANAGER_ID	decimal	6	0	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	MANAGER_ID
11	COORDINATOR_ID	decimal	10	0	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	COORDINATOR_ID
12	CREATED_DATE	date/time	29	9	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	sysdate

Default value:

Description:



Edit Transformations

Transformation

Ports

Properties

Metadata Extensions

Select transformation:

123 SEQTRANS

Transformation type:

Sequence

Transformation Attribute	Value
Start Value	1
Increment By	1
End Value	9223372036854775807
Current Value	1
Cycle	<input type="checkbox"/>
Number of Cached Values	0
Reset	<input type="checkbox"/>
Tracing Level	Normal

Task Tasks

General Properties Config Object Mapping Components Metadata Extensions

Select task: s_M_SEQ_GEN

Task type: Session

M_SEQ_GEN.T_STUD_PK_HIST

Writers

Instance	Writers
T_STUD_PK_HIST	Relational Writer

Connections




Type	Value	Connections
Relational	ORACLE_TGT	DB Connection

Properties [Show Session Level Properties](#)

Attribute	Value
T_STUD_PK_HIST - Relational Writer	
Target load type	Normal
Insert	<input checked="" type="checkbox"/>
Update as Update	<input checked="" type="checkbox"/>

Transfo... Partitions

Target load type

<pre> SELECT * FROM T_STUD_PK_HIST; TRUNCATE TABLE T_STUD_PK_HIST; </pre>					
Script Output x Query Result x					
   SQL All Rows Fetched: 125 in 0.035 seconds					
	STUDENT_SEQ	STUDENT_ID	FIRST_NAME	LAST_NAME	EMAIL
1	1	219	Kelly	Chung	KCHUNG
2	2	220	Jennifer	Dilly	JDILLY
3	3	221	Timothy	Gates	TGATES
4	4	217	Alana	Walsh	AWALSH
5	5	218	Kevin	Feeney	KFEENEY
6	6	200	NARESH	KUMAR	naresh@GM
7	7	100	NARESH	KUMAR	SKING
8	8	101	HEMANTH	KUMAR	NKOCHHAR
9	9	102	ABHI	MANYU	LDEHAAN
10	10	103	PAVAN	KUMAR	AHUNOLD
11	11	104	Bruce	Ernst	BERNST
12	12	105	David	Austin	DAUSTIN
13	13	106	Valli	Pataballa	VPATABAL
14	14	107	Diana	Lawrence	DLORRNTZ

Now start in IICS

CONNECT SOURCE & GIVE STUDENT TABLE FROM SNOWFLAKE

ADD EXPRESSION TRANSFORMATION

The screenshot shows the IICS Mapping 11 interface. The top bar includes a 'Mapping 11' tab, an 'Invalid' status indicator, and buttons for 'Save', 'Run', and various navigation icons. The 'Design' pane shows a workflow: Source (Snowflake icon) → Expression (f(x) icon) → Target (Table icon). The 'Expression' transformation is selected, and its properties panel is open. The 'Properties' pane has tabs for 'Properties', 'Preview', and 'f(x) Expression'. The 'Expression' tab is active, showing instructions: 'Create simple expressions. You can also use expression macros to create complex expressions.' and a checkbox 'Allow additional fields and expressions during task creation'. Below this is a table for 'Expressions' with columns: Field Name, Expression, Default Value, Type, Precision, Scale, Field Description, and Link Path. The table is currently empty, with the text 'No Expression specified.' at the bottom. A red circle highlights the '+' icon in the top right corner of the table, indicating where to click to add a new expression.

Mapping 11 Invalid Save Run

Design

Data Masking

Source Expression Target

Properties Preview f(x) Expression

General

Incoming Fields

Expression

Window

Advanced

Create simple expressions. You can also use expression macros to create complex expressions.

☐ Allow additional fields and expressions during task creation

Expressions

Field Name	Expression	Default Value	Type	Precision	Scale	Field Description	Link Path
------------	------------	---------------	------	-----------	-------	-------------------	-----------

No Expression specified.

ADD A FIELD AS ABOVE & GIVE CONDITION AS BELOW

New Field

Create new output field, variable field, input macro field or output macro field.

Field Type:

Name:

Type:

Precision:

Scale:

Default Value:

Description:

CLICK ON THIS CREATED DATE & OPEN

Incoming Fields	Expressions						
Expression	Field Name	Expression	Default Value	Type	Precision	Scale	Field Description
Window	o_CREATED_DATE	Configure...	ERROR('transformation err...	date/time	29	9	
Advanced							

HERE YOU CAN MAKE SYSDATE

CYCLE OPTION DON'T GIVE SINCE INCREMENTAL LOAD

START VAL 1 , INC VAL 1 , END VALUE THIS 19 NO.S

CYCLE :

Properties	Preview	Sequence
General		Increment by: 1
Incoming Fields		End Value: 9223372036854775807
Sequence		Initial Value: 1
Advanced		Cycle: 1
Generated Fields		Cycle Start Value: 0
		Number of Cached Values: 0

IF YOU GO TO THIS ADVANCED

**IF YOU GIVE THIS DISABLE INCOMING FIELDS IT WILL GET
DISABLE INCOMING FIELDS**

Design

Router

Sequence

Source

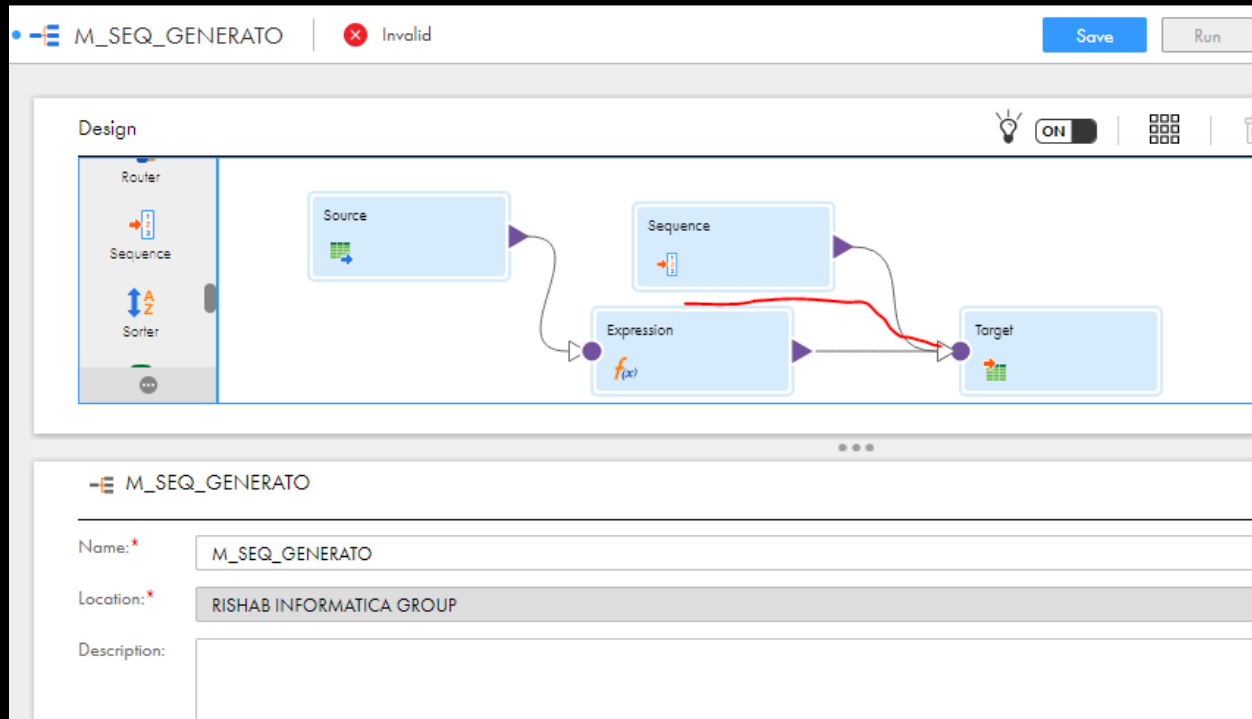
Sequence

Expression

Target

Properties	Preview	Sequence
General		Tracing Level: Normal
Incoming Fields		<input checked="" type="checkbox"/> Optional
Sequence		<input checked="" type="checkbox"/> Disable incoming fields
Advanced		
Generated Fields		

NOPW YOU CONNECT SEQ GENERATOR TO TARGET



NOW GO TO TARGET & GIVE CONNECTION TO SNOWFLAKE TARGET

The screenshot shows the "Field Mapping" section of the M_SEQ_GENERATOR tool. It displays a table with two columns: "Field Name" and "Mapped Field". A red arrow points from the "NEXTVAL" field in the "Field Name" column to the "STUD_SEQ" field in the "Mapped Field" column.

Field Name	Mapped Field
o_CREATED_DATE	STUD_SEQ
STUDENT_ID	STUDENT_ID
FIRST_NAME	FIRST_NAME
LAST_NAME	LAST_NAME
EMAIL	EMAIL
PHONE_NUMBER	PHONE_NUMBER
JOINING_DATE	JOINING_DATE
SPECIALIZATION	SPECIALIZATION
STIPEND	STIPEND
BONUS	BONUS
MANAGER_ID	MANAGER_ID
COORDINATOR_ID	COORDINATOR_ID
NEXTVAL	o_CREATED_DATE

CONNECT THIS NEXT VAL > STUD_SEQ AS ABOVE

WHAT IS NEXT VALE , IT KEEP ON GENERATE NEXT VALUES

CREATE A MAPPING TASK

New Asset

Select the type of asset you want. Some asset types include templates for common integration patterns.


Tasks


Mappings


Mapplets


Taskflows


Components


 **Mapping Task**
Process data based on the data flow logic defined in a mapping.


 **Synchronization Task**
Synchronize data between a source and a target to integrate applications, databases, and files.

 **Masking Task**
Mask source data and create a data subset of source data in a target.

 **Replication Task**
Copy data from a Salesforce or database source to a database or file target.

 **PowerCenter Task**
Import a PowerCenter workflow so you can run it as a Cloud Data Integration task.

 **Dynamic Mapping Task**
Configure and run multiple data pipeline jobs from one mapping.

 **Data Transfer Task**
Move data from a source to a target with some simple filters.

?

Create

New MappingTask_SEQ_GEN

1 Definition

2 Schedule

Task Details

Task Name: *

MappingTask_SEQ_GEN

Location: *

RISHAB INFORMATICA GROUP

Browse

Description:

Runtime Environment: *

RISHAB-INFORMATICA-GROUP5

?

Mapping: *

Select...

?

Save

< Back

Next >

Finish

New MappingTask_SEQ_GEN

1

Definition

2

Sequences

3

Schedule

Task Details

Task Name: *
MappingTask_SEQ_GEN

Location: *
RISHAB INFORMATICA GROUP Browse

Description:

Runtime Environment: *
RISHAB-INFORMATICA-GROUP5 ?

Mapping: *
M_SEQ_GENERATO Select...

Mapping Image: M_SEQ_GENERATO

Source

Sequence

? Save < Back Next >

HERE THE SEQ IS ONE AS BELOW , NEXT

New MappingTask_SEQ_GEN

1

Definition

2



Sequences

3

Schedule

Sequences

Sequences

Action	Name	Current Value	Initial Value
 	Sequence	1	1

? Save < Back Next > Finish

MappingTask_SEQ_GEN

Edit

Run

Task Details

Task Name: MappingTask_SEQ_GEN
Location: RISHAB INFORMATICA GROUP
Description:
Runtime Environment: RISHAB-INFORMATICA-GROUPS
Created On: Aug 20, 2023 4:02:21 AM
Updated On: Aug 20, 2023 4:02:21 AM
Created By: harikrishnanaeilu.v@gmail.com
Updated By: harikrishnanaeilu.v@gmail.com
Last Run:

Task Mapping

Name: M_SEQ_GENERATO
Location: RISHAB INFORMATICA GROUP
Updated Date: Aug 20, 2023 3:49:47 AM

My Jobs | Data Integration

Jobs (1 of 130) ☒ Up to date

Updated 4:06:32 AM PDT



Find

Asset Name: MappingTask_SEQ_G... Add Field

Instance Name	Location	Subtasks	Start Time	End Time	Rows Processed	Status
MappingTask_SEQ_GEN-1	RISHAB INFORM...		Aug 20, 2023, 4:03 AM	Aug 20, 2023, 4:...	12	<input checked="" type="checkbox"/> Success

STUD_SEQ	STUDENT_ID	FIRST_NAME	LAST_NAME	EMAIL	PHONE_NUMBER	J
1	100	NARESH	KUMAR	NARESH@GMAIL.COM	944.800.5271	
2	101	HEMANTH	KUMAR	HEMANTH@GMAIL.COM	944.800.5275	
3	102	ABHI	MANYU	ABHI@GMAIL.COM	944.800.5272	
4	103	PAVAN	KUMAR	PAVAN@GMAIL.COM	944.800.5276	
5	104	SURENDRA	KUMAR	SURENDRA@GMAIL.COM	944.800.5270	
6	105	SURENDRA	KUMAR	SURENDRA@GMAIL.COM	944.800.5277	
7	106	VIJAY	KUMAR	VIJAY@GMAIL.COM	944.800.5268	
8	107	VENKATESH	SWAMY	VENAKTESH@GMAIL.COM	995.623.5825	
9	108	PAVAN	KUMAR	PAVAN@GMAIL.COM	995.623.5826	
10	109	JANAKI	DEVI	JANAKIGMAIL.COM	995.623.5827	
11	204	Surendra	kumar	surendra@GMAIL.COM	944.800.5251	
12	205	Pradep	kumar	surendra@GMAIL.COM	944.800.5251	

MappingTask_SEQ_GEN-2

RestartRefre

Job Properties

Task Name:

MappingTask_SEQ_GEN

Instance ID:

2

Task Type:

Mapping Task

Started By:

harikrishnanaeilu.v@gmail.com through UI

Start Time:

Aug 20, 2023 4:51:49 AM

End Time:

Aug 20, 2023 4:54:12 AM

Duration:

2 minutes, 23 seconds

Runtime Environment:

RISHAB-INFORMATICA-GROUP5

Secure Agent:

RISHAB-INFORMATICA-GROUP5

Results

Status:

Success

Success Rows:

12

Errors:

0

Session Log:

Download Session Log

Individual Source/Target Results

Name	Success Rows	Errors	Error Message	Action
<div>Source</div>	12	0		
<div>Target (T_STUD_PK_HIST2)</div>	12	0		

Jobs (2 of 131)

Updated 4:56:49 AM PDT

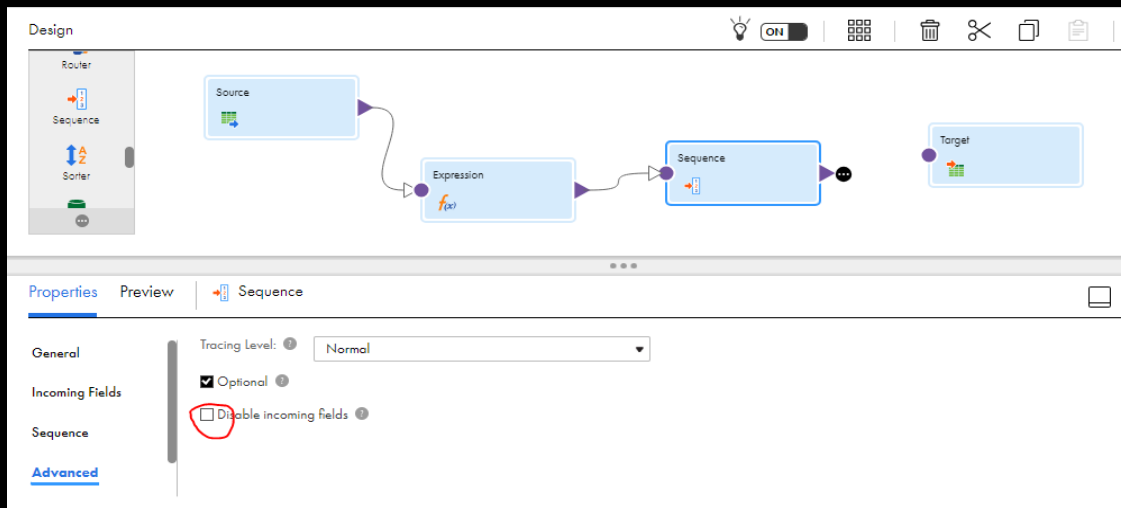
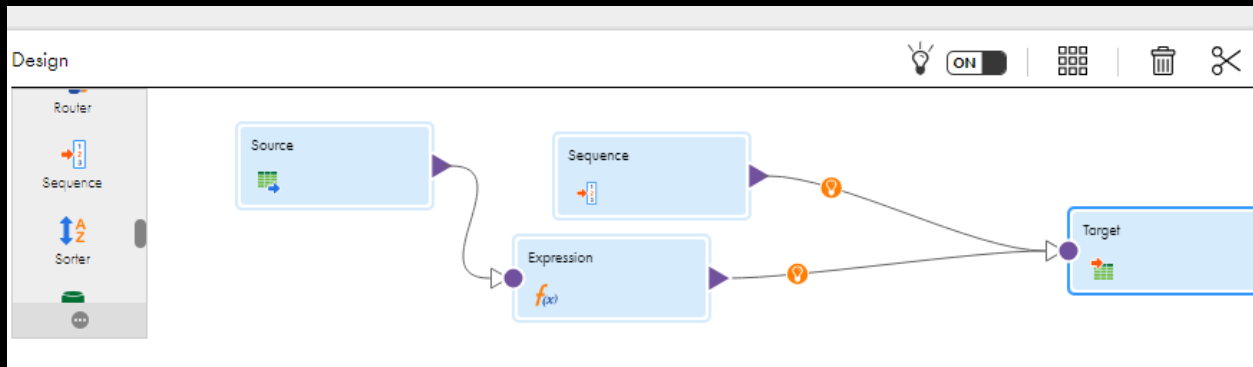
Find

Asset Name: MappingTask_SEQ_G...

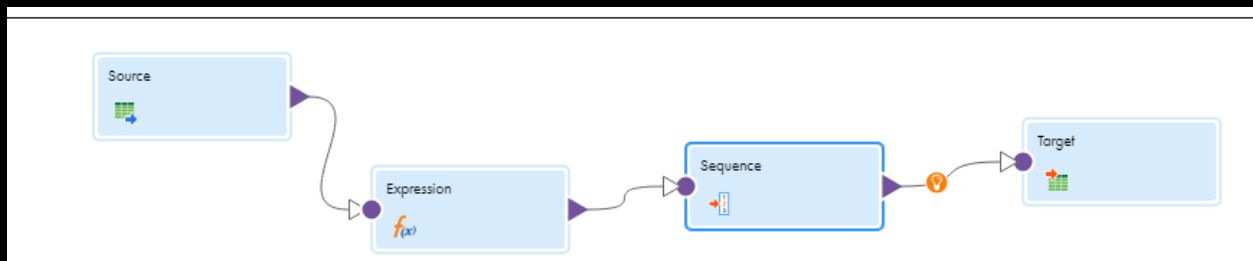
Add Field

Instance Name	Location	Subtasks	Start Time	End Time	Rows Processed	Status
<div>MappingTask_SEQ_GEN-2</div>	RISHAB INFORM...		Aug 20, 2023, 4:51 AM	Aug 20, 2023, 4:...	12	<div>Success</div>
<div>MappingTask_SEQ_GEN-1</div>	RISHAB INFORM...		Aug 20, 2023, 4:03 AM	Aug 20, 2023, 4:...	12	<div>Success</div>

STUD_SEQ	...	STUDENT_ID	FIRST_NAME	LAST_NAME	EMAIL	PHONE_NUMBER	JOINING_DATE
17		104	SURENDRA	KUMAR	SURENDRA@GMAIL.COM	944.800.5270	1991-03-06
18		105	SURENDRA	KUMAR	SURENDRA@GMAIL.COM	944.800.5277	1995-03-06
19		106	VIJAY	KUMAR	VIJAY@GMAIL.COM	944.800.5268	1990-03-06
20		107	VENKATESH	SWAMY	VENAKTESH@GMAIL.COM	995.623.5825	1989-02-06
21		108	PAVAN	KUMAR	PAVAN@GMAIL.COM	995.623.5826	1990-02-06
22		109	JANAKI	DEVI	JANAKIGMAIL.COM	995.623.5827	1998-02-06
23		204	Surendra	kumar	surendra@GMAIL.COM	944.800.5251	2004-03-06
24		205	Pradep	kumar	surendra@GMAIL.COM	944.800.5251	2004-03-06



**THAN YOU CONNECT EXP > SEQ > TARGET AS BELOW
THAN SAVE**



GO TO MAPPING TASK & EDIT

New...

Home

Explore

Bundles

My Jobs

My Import/Export...

M_SEQ_GENERA...

MappingTask_SEQ...

MappingTask_SEQ...

MappingTask_SEQ...

MappingTask_SEQ_GEN

Edit

Task Details

Task Name:

MappingTask_SEQ_GEN

Location:

RISHAB INFORMATICA GROUP

Description:

Runtime Environment:

RISHAB-INFORMATICA-GROUP5

Created On:

Aug 20, 2023 4:02:21 AM

Updated On:

Aug 20, 2023 5:03:36 AM

Created By:

harikrishnanaeilu.v@gmail.com

Updated By:

harikrishnanaeilu.v@gmail.com

Last Run:

Aug 20, 2023 4:51:49 AM

Task Mapping

Name:

M_SEQ_GENERATO

Location:

RISHAB INFORMATICA GROUP

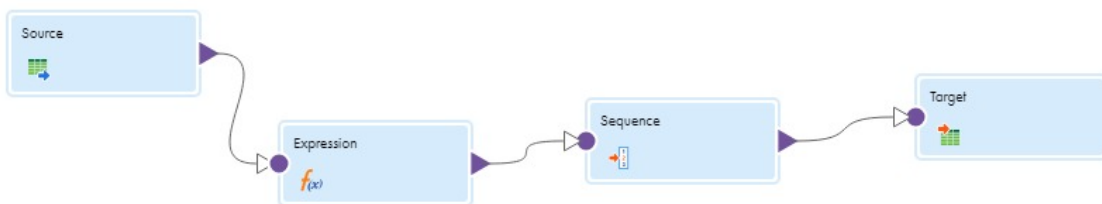
Updated Date:

Aug 20, 2023 5:03:33 AM

Use Temporary View NO

Use Temporary Sequence NO

Mapping Image



Task Parameters

Name	Type	Value
------	------	-------

My Jobs

Data Integration

Jobs (3 of 132)

Up to date

Updated 5:07:22 AM PDT

Find

Asset Name: MappingTask_SEQ_G...

Add Field

Instance Name	Location	Subtasks	Start Time	End Time	Rows Processed	Status
<div></div> MappingTask_SEQ_GEN-3	RISHAB INFORM...		Aug 20, 2023, 5:05 AM	Aug 20, 2023, 5:...	12	<div></div> Success
<div></div> MappingTask_SEQ_GEN-2	RISHAB INFORM...		Aug 20, 2023, 4:51 AM	Aug 20, 2023, 4:...	12	<div></div> Success
<div></div> MappingTask_SEQ_GEN-1	RISHAB INFORM...		Aug 20, 2023, 4:03 AM	Aug 20, 2023, 4:...	12	<div></div> Success

30	105	SURENDRA	KUMAR	SURENDRA@GMAIL.COM	944.800.5277	1995-03-02	IICSCOMBO
31	106	VIJAY	KUMAR	VIJAY@GMAIL.COM	944.800.5268	1990-03-02	IICSCOMBO
32	107	VENKATESH	SWAMY	VENAKTESH@GMAIL.COM	995.623.5825	1989-02-03	TALEND
33	108	PAVAN	KUMAR	PAVAN@GMAIL.COM	995.623.5826	1990-02-03	TALEND
34	109	JANAKI	DEVI	JANAKIGMAIL.COM	995.623.5827	1998-02-03	IICS
35	204	Surendra	kumar	surendra@GMAIL.COM	944.800.5251	2004-03-02	IICSCOMBO
36	205	Pradep	kumar	surendra@GMAIL.COM	944.800.5251	2004-03-02	IICS

100	1
101	2
102	3
103	4
104	1
105	2
106	3
107	4
108	1
109	2
110	3
111	4
112	1
113	2

Above is every 4th record

You can make every 5rd record

200 1

201 2

203 3

204 4

205 5

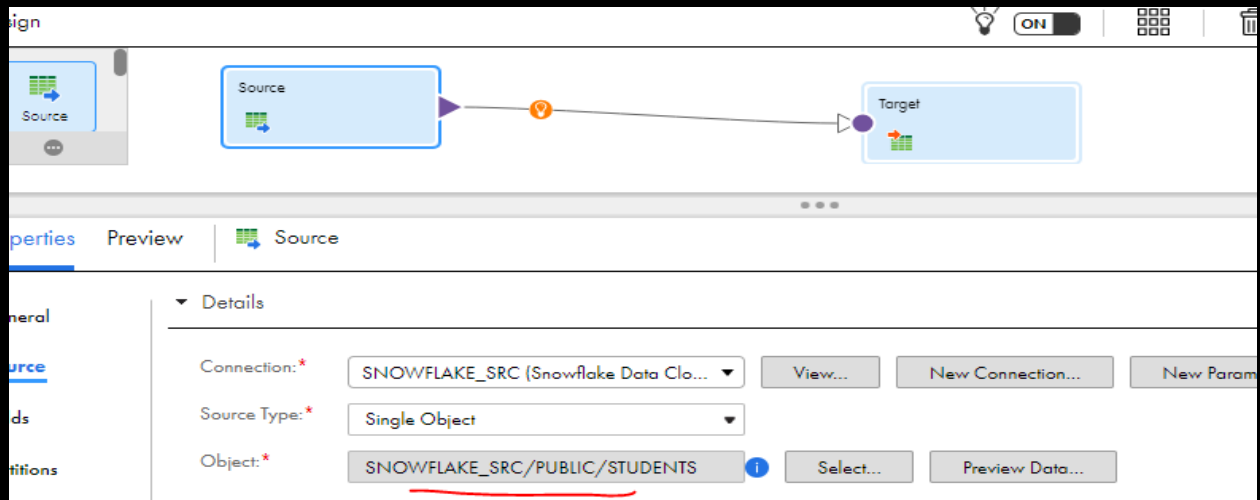
206 1

207 2

208 3

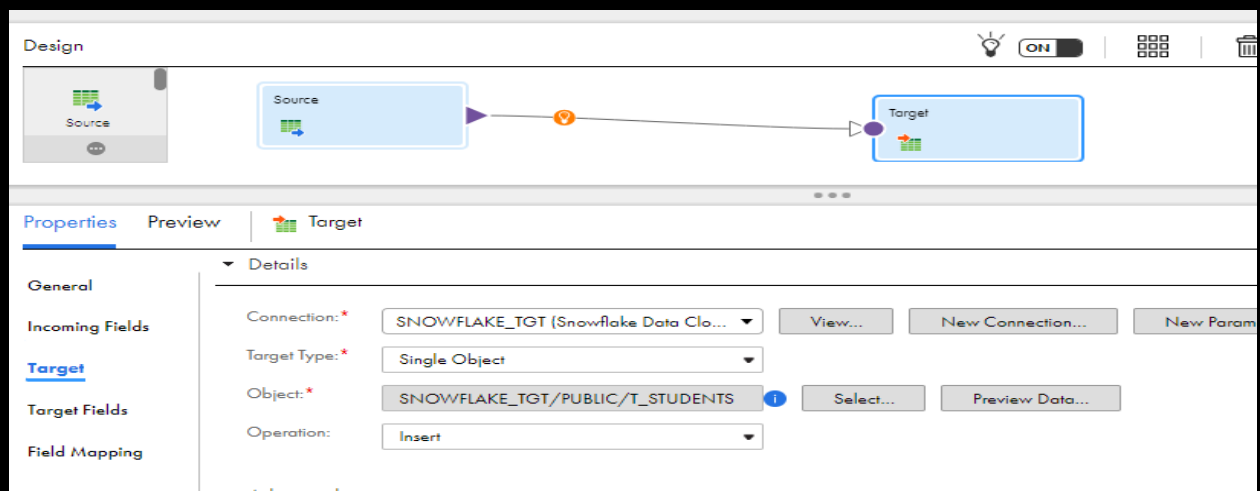
How to do that

Create a mapping

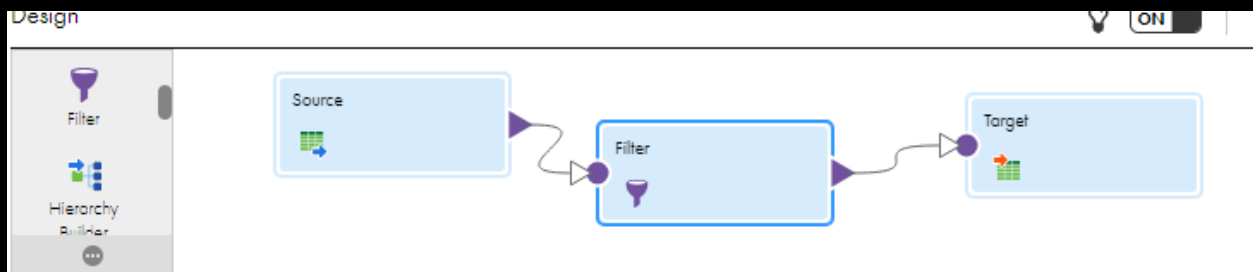


Connect target to snowflake

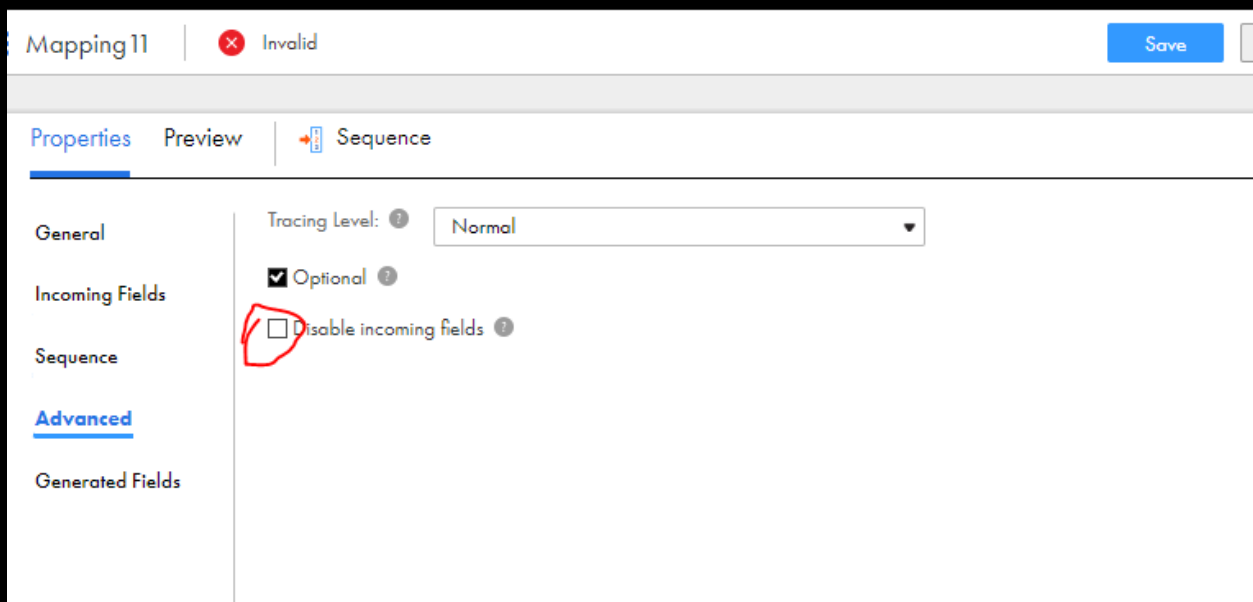
T_student



Then place a filter



Now you add a seq generator , go to advanced disable incoming fields



Go to sequence & here make it start value 1

Inc value by 1

End value by 5

Then Cycle enable the cycle , cycle start value :1

Then why reset , if suppose last time closed with 3rd record , again it will start from 1st record ,so that is what reset option

1 to 5 , 1 to 5 it will load like that

200 1

201 2

203 3

204 4

205 5

206 1

207 2

Sequence Properties

☐ Use a Shared Sequence

Increment By: 1

End Value: 5

Initial Value: 1

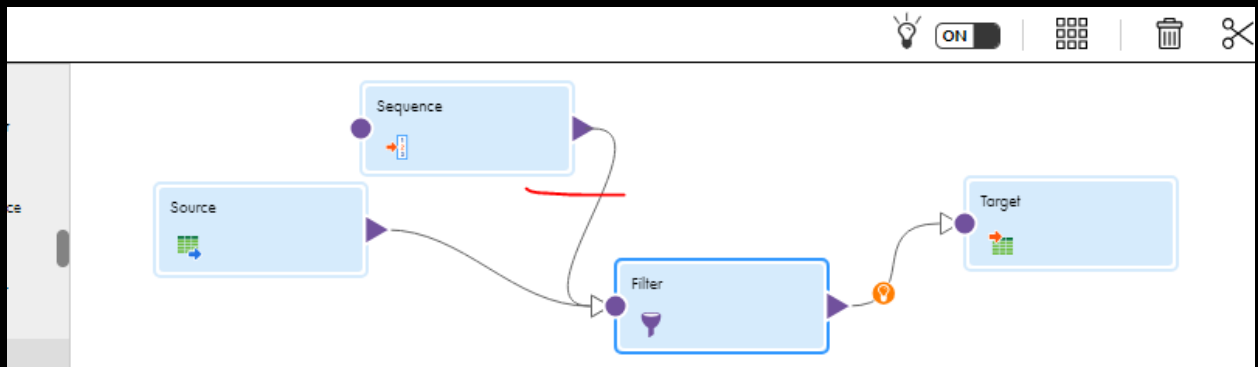
☒ Cycle: 1

Cycle Start Value: 1

Number of Cached Values: 0

☒ Reset:

Then connect seq generator



Properties Preview Filter

Filter Condition: Simple

Filter Conditions

Field Name	Operator	Value
No filter condition specified.		

General
Incoming Fields
Filter
Advanced

The diagram shows a workflow with three nodes: Source, Filter, and Target. The Source node is connected to the Filter node. The Filter node is connected to the Target node. The Filter node has a funnel icon. The Target node has a plus icon. The Source node has a plus icon.

Filter

Filter Condition: Simple

Filter Conditions

Field Name	Operator	Value
NEXTVAL (bigint)	=	5

Mapping 11

Invalid

Save

Run

Properties

Preview

Target

General

Incoming Fields

Target

Target Fields

Field Mapping

STUDENT_ID	STUDENT_ID	STUDENT_ID
FIRST_NAME	FIRST_NAME	FIRST_NAME
LAST_NAME	LAST_NAME	LAST_NAME
EMAIL	EMAIL	EMAIL
PHONE_NUMBER	PHONE_NUMBER	PHONE_NUMBER
JOINING_DATE	JOINING_DATE	JOINING_DATE
SPECIALIZATION	SPECIALIZATION	SPECIALIZATION
STIPEND	STIPEND	STIPEND
BONUS	BONUS	BONUS
MANAGER_ID	MANAGER_ID	MANAGER_ID
COORDINATOR_ID	COORDINATOR_ID	COORDINATOR_ID
NEXTVAL		
CURRVAL		

Jobs (22 of 133)		Up to date	Updated 6:17:16 AM PDT		↺	↻	⌵	Find
Asset Name: Mapping11		⌵	Add Field					
Instance Name	Location	Subtasks	Start Time	End Time	Rows Processed	Status		
Mapping11-1	RISHAB INFORM...		Aug 20, 2023, 6:15 AM	Aug 20, 2023, 6...	2	✓	Success	
Mapping11-23	Default		Aug 4, 2023, 6:29 AM	Aug 4, 2023, 6:...	121	✓	Success	
Mapping11-22	Default		Aug 4, 2023, 6:25 AM	Aug 4, 2023, 6:...	121	✓	Success	

truncate table T_STUD_PK_HIST2				
Results				
Chart				
STUDENT_ID	FIRST_NAME	LAST_NAME	EMAIL	...
104	SURENDRA	KUMAR	SURENDRA@GMAIL.COM	
109	JANAKI	DEVI	JANAKIGMAIL.COM	

