



Rishab
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CALL/WHATSAPP - 8970853557 / 9448005273

IICS COMBO

AGGREGATOR TRANSFORMATION

An Active, connected

min()

max()

sum()

avg()

count()

**SELECT SUM(STIPEND) FROM STUDENTS GROUP BY
COORDINATOR_ID;**

WE

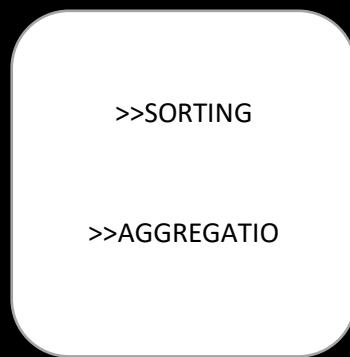
**SELECT COORDINATOR_ID ,SUM(STIPEND) FROM STUDENTS GROUP
BY COORDINATOR_ID;**

**SELECT COORDINATOR_ID ,SUM(STIPEND),COUNT(*) FROM
STUDENTS GROUP BY COORDINATOR_ID;**

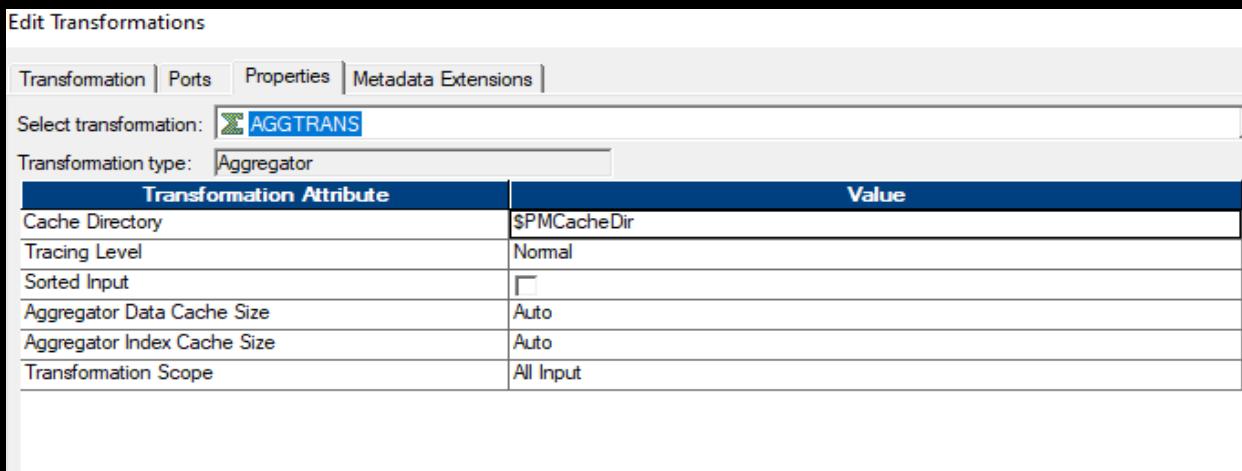
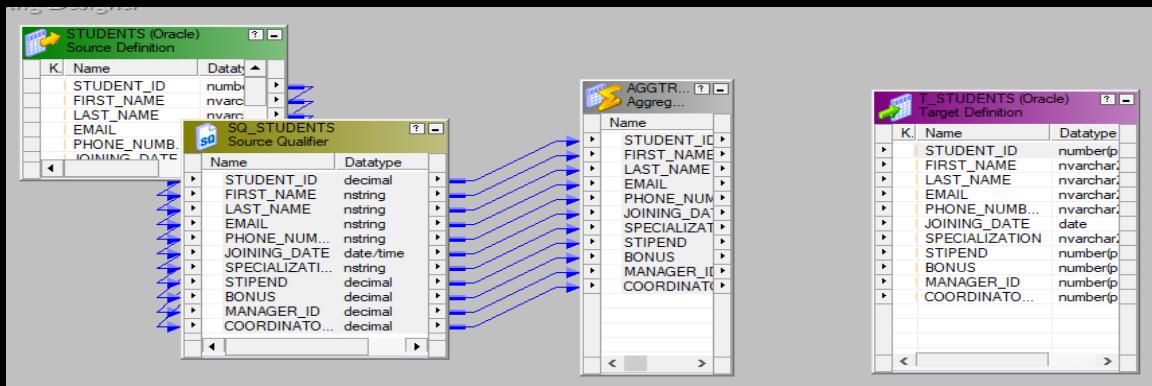
YOU CANT ONE MORE NON AGG FUNCTION

YOU NEED TO PUT AFTER THE GROUP

Create a mapping



LETS CREATE A MAPPING DOUBLE CLICK ON AGGREGATOR GO TO PROPERTIES



CHACHE DIRECTORY >> THAT IS WHAT IT WILL MAKING THE CACHING

DATA CACHE >> DATA WILL BE STORED IN DATA CACHE

BOTH AGG DATA & AGG INDEX INFORMATICA WILL TAKE CARE

IT WILL AUTOMATICALLY CREATE THE CACHE MEMNORY IN FUTURE IF THE RECORD OR VOLUME IS INCREASING THAN IT WILL TAKE CARE AUTOMATICALLY

GO FOR MAX STIPEND

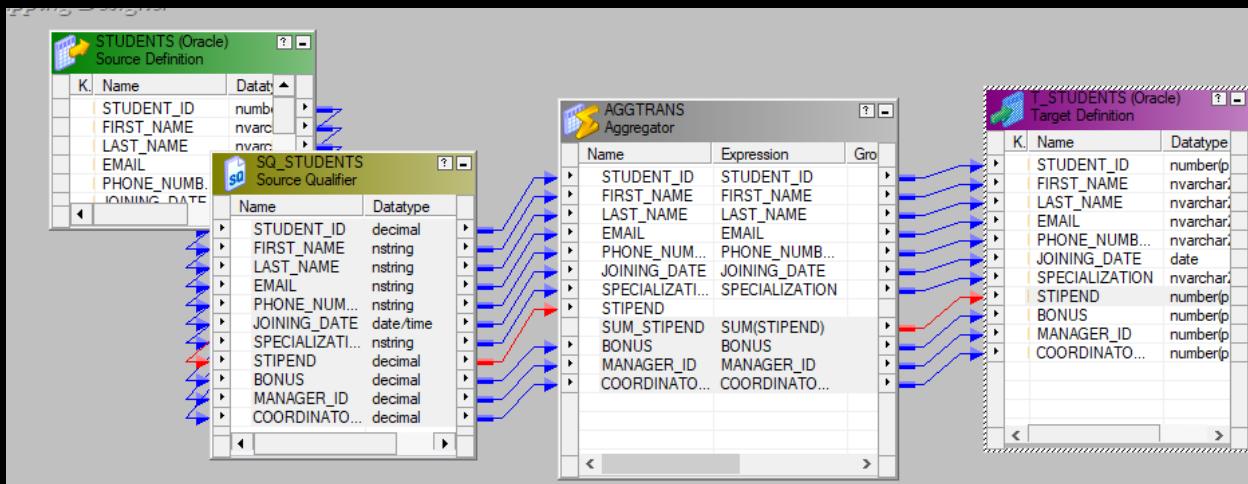
Port Name	Datatype	Prec	Scale	I	O	V	Expression	GroupBy
STUDENT_ID	decimal	6	0	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	STUDENT_ID	<input type="checkbox"/>
FIRST_NAME	nstring	20	0	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	FIRST_NAME	<input type="checkbox"/>
LAST_NAME	nstring	25	0	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	LAST_NAME	<input type="checkbox"/>
EMAIL	nstring	25	0	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	EMAIL	<input type="checkbox"/>
PHONE_NUMBER	nstring	20	0	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	PHONE_NUMBER	<input type="checkbox"/>
JOINING_DATE	date/time	29	9	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	JOINING_DATE	<input type="checkbox"/>
SPECIALIZATION	nstring	20	0	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	SPECIALIZATION	<input type="checkbox"/>
STIPEND	decimal	10	2	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>		<input type="checkbox"/>
SUM_STIPEND	decimal	10	2	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	SUM(STIPEND)	<input checked="" type="checkbox"/>
BONUS	decimal	10	2	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	BONUS	<input type="checkbox"/>
MANAGER_ID	decimal	6	0	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	MANAGER_ID	<input type="checkbox"/>
COORDINATOR_ID	decimal	10	0	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	COORDINATOR_ID	<input type="checkbox"/>

SELECT SUM(STIPEND) FROM STUDENTS;

	SQL	All Rows
1	SUM(STIPEND)	747016

WHERE IT WILL SHOW IN POWER CENTER ??

IN THE LAST ROW



SELECT BACK TRACK FROM TARGET (RIGHT CLICK AT LINK PATH)

The screenshot shows the Talend Workflow interface with the following details:

- Repositories:** REPO containing IICS COMBO with WF_AGG and WF_SORT tasks.
- Workflow Run:** WF_AGG_TRANSF21 with tasks:
 - WF_AGG_TRANSFORM (s_M_AGGREGATOR...) - Start Time: 8/10/2023 6:04:10 PM, Completion Time: 8/10/2023 6:04:16 PM, Status: Succeeded
 - WF_SORTER_TRANSFORM (s_M_SORTER_TRANSFORM...) - Start Time: 8/10/2023 2:33:25 PM, Completion Time: 8/10/2023 2:33:33 PM, Status: Succeeded
- Task View:** Shows the tasks in Gantt Chart and Task View formats.
- AGGREGATOR_TRANSFORMATION21 [8/10/2023 6:04:10 PM]:**
 - task Details:**
 - Source/Target Statistics:**

Formation Name	Node	Applied Rows	Affected Rows	Rejected Rows	Throughput (Rows/Sec)	Throughput (B)
SQ_STUDENTS	node01	124	124	0	124	21204
T_STUDENTS	node01	1	1	0	1	171

EVEN IF THERE IS NO RECORD IT WILL RECEIVE ONLY ONE RECORD ,

The screenshot shows a database query result for the STUDENTS table:

	STUDENT_ID	FIRST_NAME	LAST_NAME	EMAIL	PHONE_NUMBER	JOINING_DATE
1	218	Kevin	Feeaney	KFEENEY	650.507.9822	23-MAY-0

Query Result: All Rows Fetched: 1 in 0.016 seconds

INSTEAD OF THIS KEVIN SALARY YOU ARE GETTING SUM OF SALARY

IF YOU ENABLE THE GROUP BY OF SPECIALIZATION

Port Name	Datatype	Prec	Scale	I	O	V	Expression	GroupBy
STUDENT_ID	decimal	6	0	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	STUDENT_ID	<input type="checkbox"/>
FIRST_NAME	nstring	20	0	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	FIRST_NAME	<input type="checkbox"/>
LAST_NAME	nstring	25	0	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	LAST_NAME	<input type="checkbox"/>
EMAIL	nstring	25	0	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	EMAIL	<input type="checkbox"/>
PHONE_NUMBER	nstring	20	0	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	PHONE_NUMBER	<input type="checkbox"/>
JOINING_DATE	date/time	29	9	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	JOINING_DATE	<input type="checkbox"/>
SPECIALIZATION	nstring	20	0	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	SPECIALIZATION	<input checked="" type="checkbox"/>
STIPEND	decimal	10	2	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>		<input type="checkbox"/>
SUM_STIPEND	decimal	10	2	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	SUM(STIPEND)	<input type="checkbox"/>
BONUS	decimal	10	2	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	BONUS	<input type="checkbox"/>
MANAGER_ID	decimal	6	0	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	MANAGER_ID	<input type="checkbox"/>
COORDINATOR_ID	decimal	10	0	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	COORDINATOR_ID	<input type="checkbox"/>

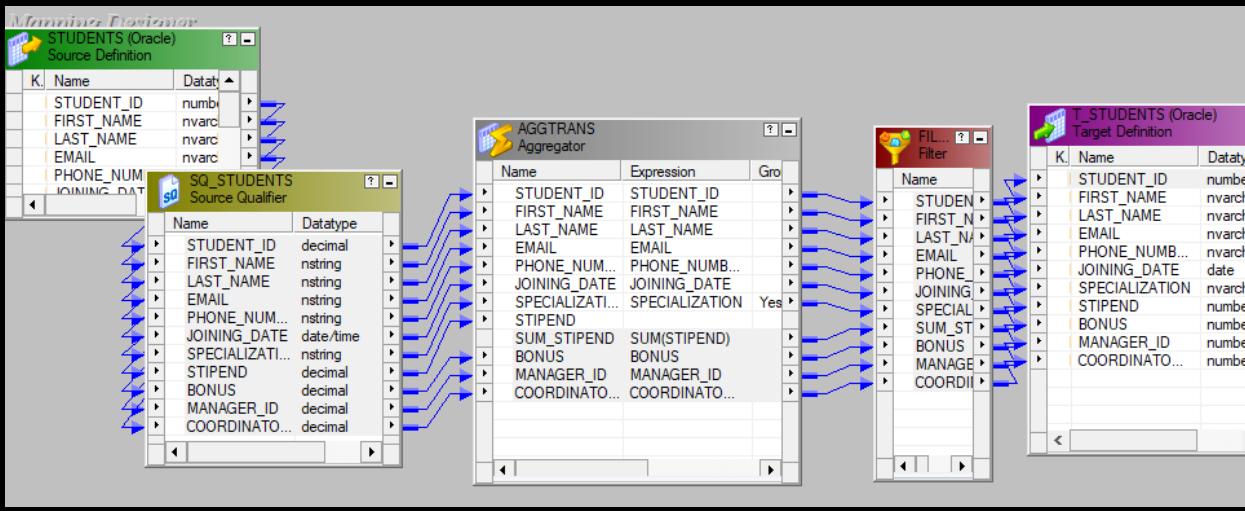
IT WILL GIVE 7 RECORDS

Worksheet							Query Builder			
SELECT * FROM T_STUDENTS;										
Query Result										
All Rows Fetched: 7 in 0.005 seconds										
1	PHONE_NUMBER	JOINING_DATE	SPECIALIZATION	STIPEND	BONUS	MANA	ER_ID			
2	650.127.1634	06-FEB-08	IICS	44300	(null)	122				
3	650.123.2234	10-APR-05	IICSCOMBO	179508	(null)	100				
4	515.123.8181	07-JUN-02	POWERBI	81408	(null)	205				
5	011.44.1344.129268	30-JAN-05	POWERCENTER	102600	0.3	145				
6	650.501.1876	04-FEB-04	SSIS	93100	(null)	123				
7	650.507.9822	23-MAY-06	TABLUE	55600	(null)	124				
	011.44.1343.329268	21-APR-08	TALEND	190500	0.1	148				

7 DIFFRENET SPECIALIZATION SEVEN RECORDS

HOW TO USE HAVING CLAUSE ?

ADD A FILTER AFTER AGGREGATOR



SUM_STIPEND > 60000 SPECIALIZATION WISE

The screenshot shows the Dataedo interface with the following details:

- Repositories:** REPO → IICS COMBO → WF_AGG_
- Workflow Run:** WF_AGG_TRANSF21
- Task View:** Gantt Chart, Task View (selected)
- Source/Target Statistics:**

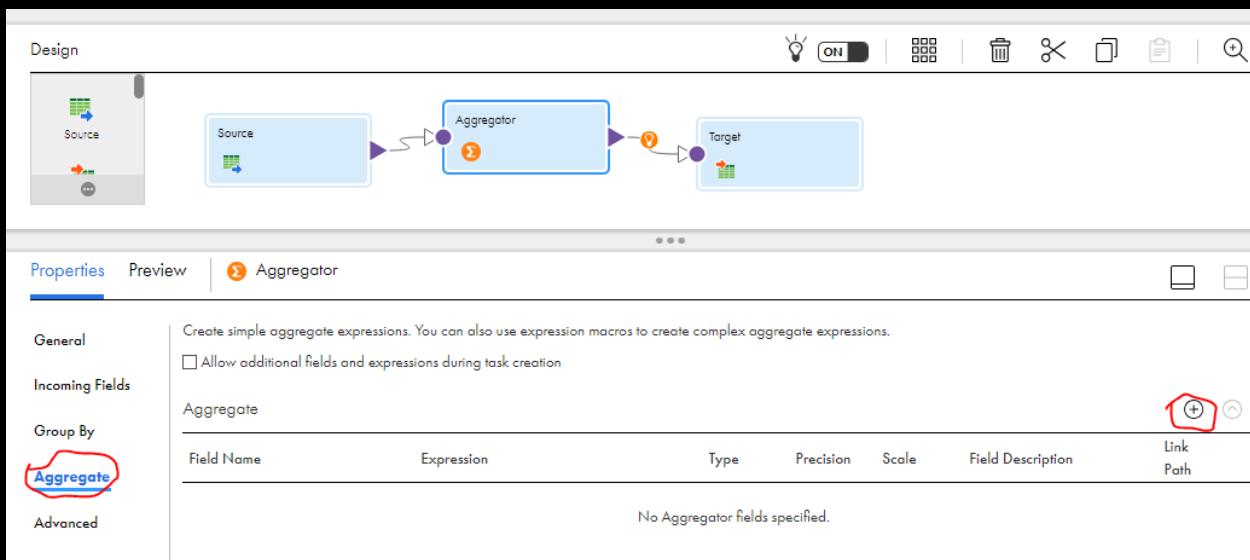
Transformation Name	Node	Applied Rows	Affected Rows	Rejected Rows	Throughput (Rows/Sec)	Throughput (Bytes/Sec)
SQ_STUDENTS	node01	124	124	0	124	21204
STUDENTS	node01	5	5	0	5	855

You can add sorter transformation before agg

You should enable sorted input

If not given sorter it will fail

LET US DO THE SAME IN IICS PLATFORM



New Field

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

Field Type:	Output Field
Name: *	o_SUM_STIPEND
Type: *	decimal
Precision: *	10
Scale:	0
Description:	

?

OK Cancel

CLICK ON CONFIGURE

Screenshot of the Informatica Data Integration interface showing the configuration of an aggregate field.

General: Create simple aggregate expressions. You can also use expression macros to create complex aggregate expressions.
 Allow additional fields and expressions during task creation

Incoming Fields

Group By

Aggregate: Selected

Advanced

Field Name	Expression	Type	Precision	Scale	Field Description	Link Path
o_SUM_STIPEND	Configure...	decimal	10	0		

IT IS LIKE EXPRESSION TRANSFORMATION

Screenshot of the Informatica Data Integration interface showing the configuration of a field expression.

URL: apse1.dm-ap.informaticacloud.com/diUI/products/integrationDesign/main/mapping/

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Informatica Data Integration

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Mapping23

Field Expression: o_SUM_STIPEND(decimal, 10, 0)

Configure the expression by adding fields, functions, and variables.

Expression: Not Parameterized

Fields

- Fields
- System Variables
- Parameters
- Built-in functions**
- User-defined functions
- EMAIL
- PHONE_NUMBER
- JOINING_DATE
- SPECIALIZATION

Select a field to see detailed information about it.

?

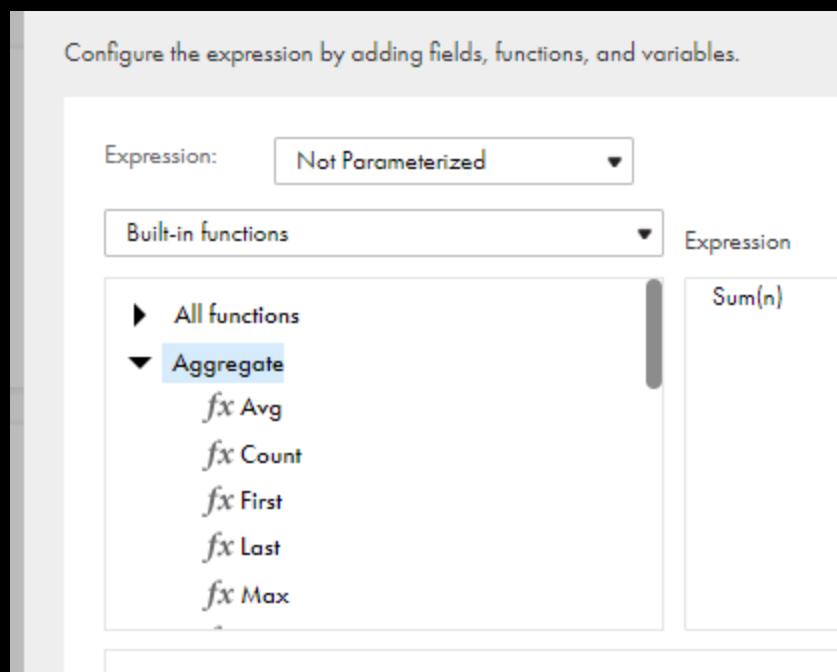
Configure the expression by adding fields, functions, and variables.

Expression: Not Parameterized

Built-in functions Expression

- ▶ All functions
- ▼ Aggregate
 - fx Avg
 - fx Count
 - fx First
 - fx Last
 - fx Max

Sum(n)



THIS AGGREGATOR IS NOT AVAILABLE IN EXPRESSION

Configure the expression by adding fields, functions, and variables.

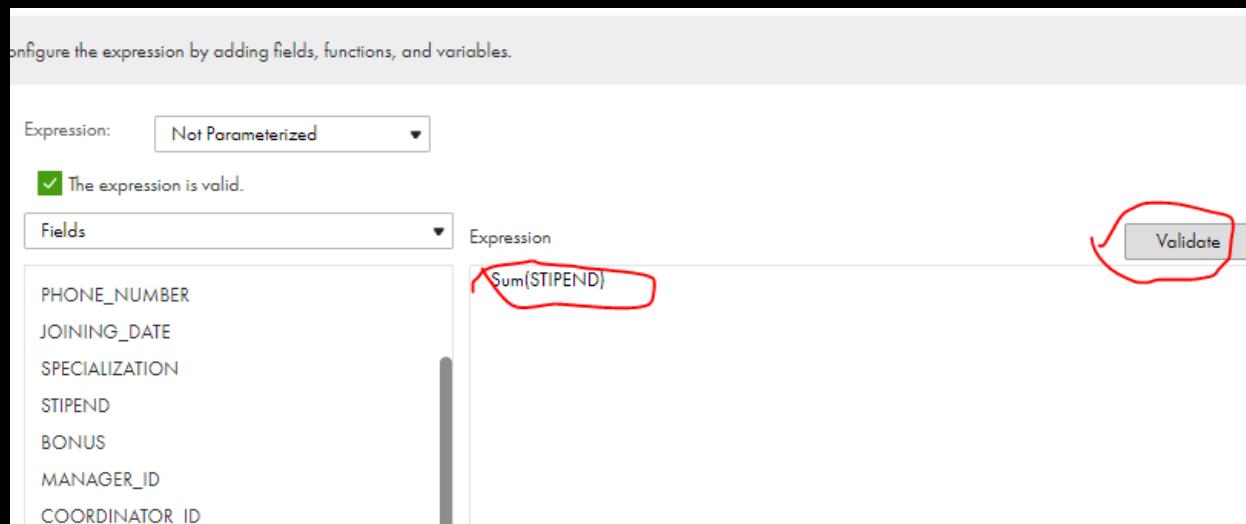
Expression: Not Parameterized

The expression is valid.

Fields Expression Validate

- PHONE_NUMBER
- JOINING_DATE
- SPECIALIZATION
- STIPEND
- BONUS
- MANAGER_ID
- COORDINATOR_ID

Sum(STIPEND)



My Jobs | Data Integration

Jobs (1 of 90) Up to date Updated 6:40:54 AM PDT | Find

Asset Name: Mapping24 Add Field

Instance Name	Location	Subtasks	Start Time	End Time	Rows Processed	Status
Mapping24-1	Default		Aug 10, 2023, 6:39 AM	Aug 10, 2023, 6:...	1	Success

