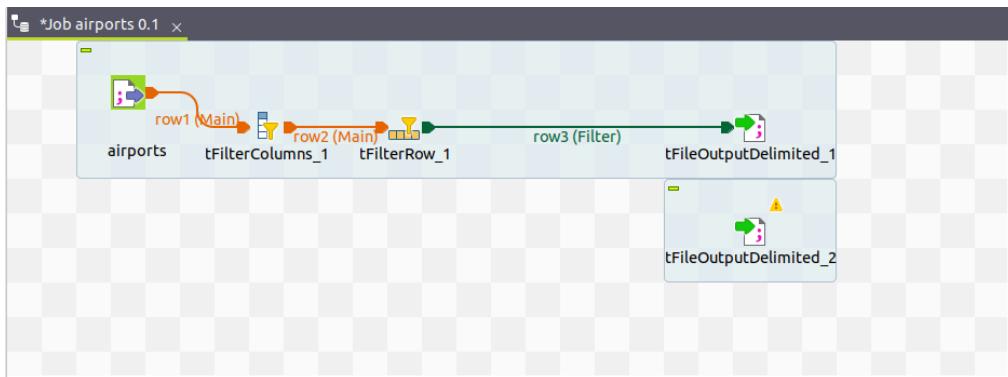


# Compte rendu atelier 4 :

## Exercice 1 :



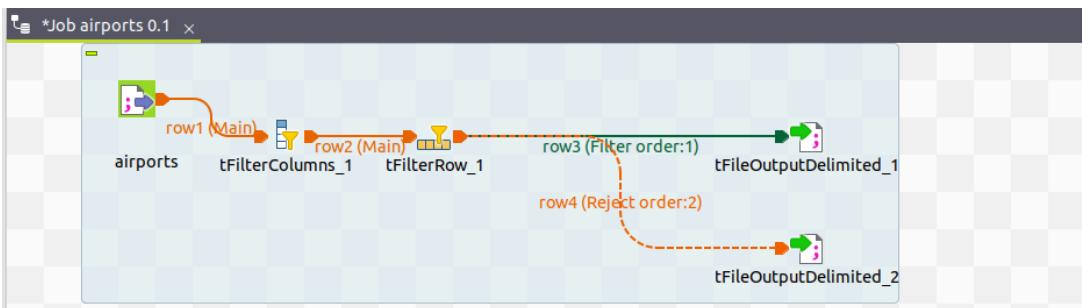
- sélectionner uniquement les 4 premières colonnes du dataset  
 >> Clique sur "Modifier Schema" pour définir les colonnes

Colonne	Clé	Type	Null	Modèle	Long	Préc	Par	Comm
AirportID	<input type="checkbox"/>	Integ	<input checked="" type="checkbox"/>		2	0		
Name	<input type="checkbox"/>	Strin	<input checked="" type="checkbox"/>		45	0		
City	<input type="checkbox"/>	Strin	<input checked="" type="checkbox"/>		20	0		
Country	<input type="checkbox"/>	Strin	<input checked="" type="checkbox"/>		18	0		
IATA	<input type="checkbox"/>	Strin	<input type="checkbox"/>		5	0		
ICAO	<input type="checkbox"/>	Strin	<input type="checkbox"/>		6	0		
Latitude	<input type="checkbox"/>	doub	<input type="checkbox"/>		18	16		
Longitude	<input type="checkbox"/>	doub	<input type="checkbox"/>		19	15		
Altitude	<input type="checkbox"/>	int	<input type="checkbox"/>		4	0		

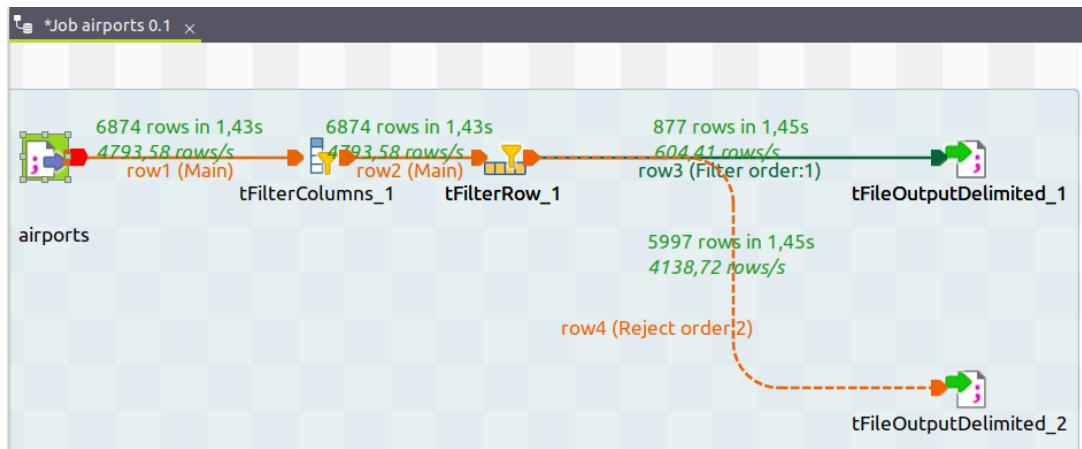
Colonne	Clé	Type	Null	Modèle	Long	Préc	Par	Comm
AirportID	<input type="checkbox"/>	Integ	<input checked="" type="checkbox"/>		2	0		
Name	<input type="checkbox"/>	Strin	<input checked="" type="checkbox"/>		45	0		
City	<input type="checkbox"/>	Strin	<input checked="" type="checkbox"/>		20	0		
Country	<input type="checkbox"/>	Strin	<input checked="" type="checkbox"/>		18	0		

- Appliquer une condition sur les lignes du dataset

Colonne d'entrée	Fonction	Opérateur	Valeur
AirportID	Vider	Supérieur à	100
AirportID	Vider	Inférieur à	1000



- Résultat du filtre



- Écrit les données filtrées dans un nouveau fichier délimité  
 >> fichier airportsoutput1 (1000<id<100) :

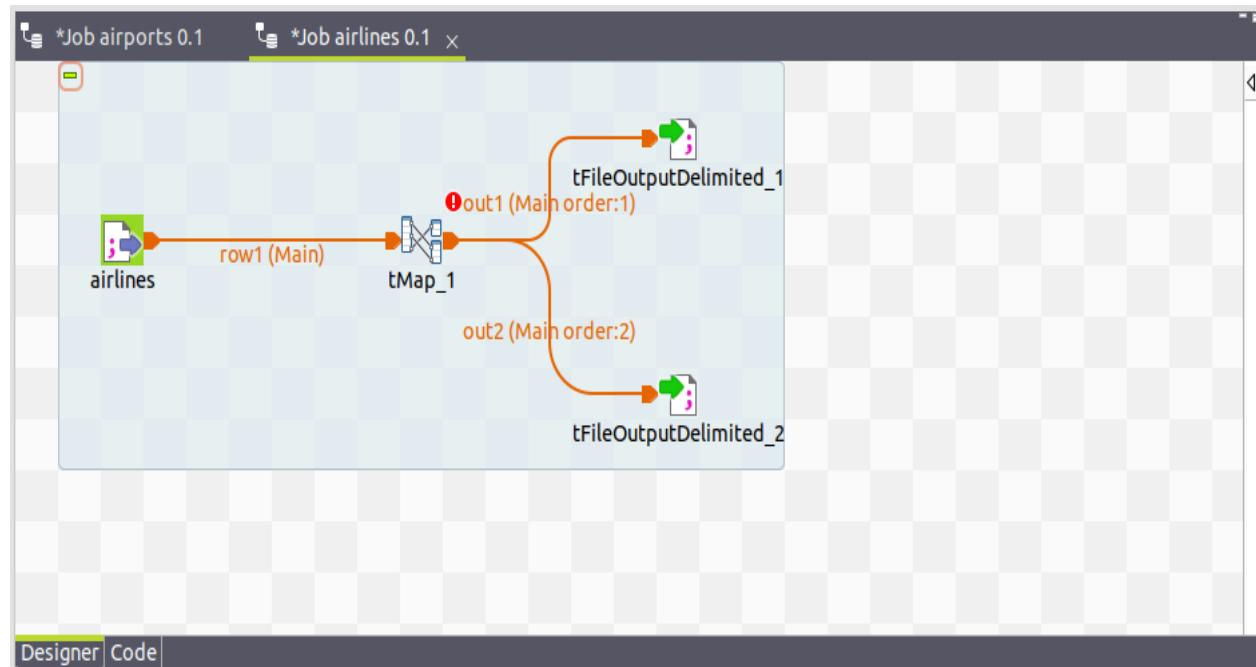
airportsoutput1.csv(lecture seule) - LibreOffice Calc

	A	B	C	D	E	F	G
76	76 St Jean Airport		St. Jean	Canada	YJN	CYJN	45.2943992614
77	77 Stephenville Airport		Stephenville	Canada	YJT	CYJT	48.5442008972
78	78 Kamloops Airport		Kamloops	Canada	YKA	CYKA	50.7202201843
79	79 Waterloo Airport		Waterloo	Canada	YKF	CYKF	43.4608001708
80	80 Schefferville Airport		Schefferville	Canada	YKL	CYKL	54.8053016662
81	81 Kindersley Airport		Kindersley	Canada	YKY	CYKY	51.5175018311
82	82 Buttonville Municipal Airport		Toronto	Canada	YKZ	CYKZ	43.8622016906
83	83 Chapleau Airport		Chapleau	Canada	YLD	CYLD	47.8199996948
84	84 Meadow Lake Airport		Meadow Lake	Canada	YLJ	CYLJ	54.1253013610
85	85 Lloydminster Airport		Lloydminster	Canada	YLL	CYLL	53.3092002868
86	86 Alert Airport		Alert	Canada	YLT	CYLT	82.5177993774
87	87 Kelowna International Airport		Kelowna	Canada	YLW	CYLW	49.9561004639
88	88 Mayo Airport		Mayo	Canada	YMA	CYMA	63.6164016723
89	89 Moose Jaw Air Vice Marshal C. M. McEwen Airport		Moose Jaw	Canada	YMJ	CYMO	50.3302993774
90	90 Fort McMurray Airport		Fort McMurray	Canada	YMM	CYMM	56.653301239
91	91 Moosonee Airport		Moosonee	Canada	YMO	CYMO	51.2910995483
92	92 Maniwaki Airport		Maniwaki	Canada	YMW	CYMW	46.2728004456
93	93 Montreal International (Mirabel) Airport		Montreal	Canada	YMX	CYMX	45.6795005798
94	94 Natašquan Airport		Natašquan	Canada	YNQ	CYNA	50.1899986267
95	95 Ottawa / Gatineau Airport		Gatineau	Canada	YNR	CYNQ	45.5217018126
96	96 Matagami Airport		Matagami	Canada	YNM	CYNM	49.7616996765
97	97 Old Crow Airport		Old Crow	Canada	YOC	CYOC	67.5706024169
98	98 CFB Cold Lake		Cold Lake	Canada	YOD	CYOD	54.4049987792
99	99 High Level Airport		High Level	Canada	YQJ	CYQJ	58.6213989257
100	100 Ottawa Macdonald-Cartier International Airport		Ottawa	Canada	YOW	CYOW	45.3224983215
101	1000 Faya Largeau Airport		Faya-largeau	Chad	FYT	FTYT	17.9171009063
102	1001 Joshua Nkomo International Airport		Bulawayo	Zimbabwe	BUO	FVBU	-20.017400741!
103	1002 Charles Prince Airport		Harare	Zimbabwe	IN	FVCP	-17.751600265!
104	1003 Buffalo Range Airport		Chiredzi	Zimbabwe	BFO	FVCZ	-21.008100509
105	1004 Victoria Falls International Airport		Victoria Falls	Zimbabwe	VFA	FVFA	-18.095899581!
106	1005 Harare International Airport		Harare	Zimbabwe	HRE	FVHA	-17.931800842;
107	1006 Kariba International Airport		Kariba	Zimbabwe	KAB	FVKB	-16.519800186:
108	1007 Mutoko Airport		Mutoko	Zimbabwe	IN	FVMT	-17.431900024

>> fichier outputairports (100<id<1000) :

outputairports.csv(lecture seule) - LibreOffice Calc							
Fichier	Édition	Affichage	Insertion	Format	Styles	Feuille	Données
A1	f <sub>x</sub>	Σ	=	101			
<b>Éditer le document</b>							X
1	101 Prince Albert Glass Field	Prince Albert	Canada	YPA	CYPA	53.214199066199996	-105.672996521
2	102 Peace River Airport	Peace River	Canada	YPE	CYPE	56.226898193359375	-117.44699859619
3	103 Southport Airport	Portage-la-prairie	Canada	YPG	CYPG	49.903099	-98.273817
4	104 Pitt Meadows Airport	Pitt Meadows	Canada	IN	CYPN	49.21609878540039	-122.70999908447
5	105 Pickle Lake Airport	Pickle Lake	Canada	YPL	CYPL	51.4463996887207	-90.214202880859
6	106 Port Mcneil Airport	Port Mcneil	Canada	YPN	CYPN	49.83639907836914	-64.288597106933
7	107 Peterborough Airport	Peterborough	Canada	YPO	CYPO	44.2299954223633	-78.363296508789
8	108 Prince Rupert Airport	Prince Rupert	Canada	YPR	CYPR	54.286098480199996	-130.445007324
9	109 Fort Chipewyan Airport	Fort Chipewyan	Canada	YPX	CYPX	58.7672004699707	-111.11699676513
10	110 Muskoka Airport	Muskoka	Canada	YQA	CYQA	44.974700927734375	-79.303298950195
11	111 Quebec Jean Lesage International Airport	Quebec	Canada	YQB	CYQB	46.7911	-71.393303
12	112 Red Deer Regional Airport	Red Deer Industrial	Canada	YQF	CYQF	52.18220138549805	-113.89399719238
13	113 Windsor Airport	Windsor	Canada	YQG	CYQG	42.27560043334961	-82.955596923828
14	114 Watson Lake Airport	Watson Lake	Canada	YQH	CYQH	60.11640167236328	-128.82200622558
15	115 Kenora Airport	Kenora	Canada	YQK	CYQK	49.788299560546875	-94.363098144531
16	116 Lethbridge County Airport	Lethbridge	Canada	YQL	CYQL	49.6302986145	-112.800003052
17	117 Greater Moncton International Airport	Moncton	Canada	YQM	CYQM	46.11220169067383	-64.678596496582
18	119 Comox Airport	Comox	Canada	YQQ	CYQQ	49.71080017089844	-124.88700103759
19	120 Regina International Airport	Regina	Canada	YQR	CYQR	50.43190002441406	-104.66600036621
20	121 Thunder Bay Airport	Thunder Bay	Canada	YQT	CYQT	48.37189865112305	-89.323899315429
21	122 Grande Prairie Airport	Grande Prairie	Canada	YQU	CYQU	55.1796989441	-118.885002136
22	123 Yorkton Municipal Airport	Yorkton	Canada	YQV	CYQV	51.26470184326172	-102.46199798583
23	124 North Battleford Airport	North Battleford	Canada	YQW	CYQW	52.76919937133789	-108.24400329589
24	125 Gander International Airport	Gander	Canada	YQX	CYQX	48.9369010925293	-54.568099975585
25	126 Sydney / J.A. Douglas McCurdy Airport	Sydney	Canada	YQY	CYQY	46.16139984129996	-60.0477981567
26	127 Quesnel Airport	Quesnel	Canada	YQZ	CYQZ	53.026100158691406	-122.51000213623
27	128 Resolute Bay Airport	Resolute	Canada	YRB	CYRB	74.17169036865	-94.9693984985
28	129 Riviere Du Loup Airport	Riviere Du Loup	Canada	YRI	CYRI	47.764400482177734	-69.584701538085
29	130 Roberval Airport	Roberval	Canada	YRJ	CYRJ	48.52000045776367	-72.265602111816
30	131 Rocky Mountain House Airport	Rocky Mountain House	Canada	YRM	CYRM	52.4296989441	-114.903999329

## Exercice 2 :



- Dans chaque output table, glisser et déposer les colonnes de l'input vers les colonnes de sortie

Talend Open Studio for Data Integration - tMap - tMap\_1

**row1**

**Column**

- AirlineID
- Name
- Alias
- IATA
- ICAO
- Callsign
- Country
- Active

**Var**

**out1**

Expression	Column
row1.Name	Name
row1.AirlineID	AirlineID

**out2**

Expression	Column
row1.AirlineID	AirlineID
row1.Country	Country
row1.Active	Active

**Éditeur de schéma Éditeur d'expression**

**row1**

Colonne	Clé	Type	Null	Modèle de	Longu	Précisi	Par d	Comm
Callsign		String			52	0		
Country		String	✓		34	0		
Active		String	✓		3	0		

**out2**

Colonne	Clé	Type	Null	Modèle de	Longu	Précisi	Par d	Comm
AirlineID		Integer			2	0		
Country		String	✓		34	0		
Active		String	✓		3	0		

**Éditeur de schéma Éditeur d'expression**

**row1**

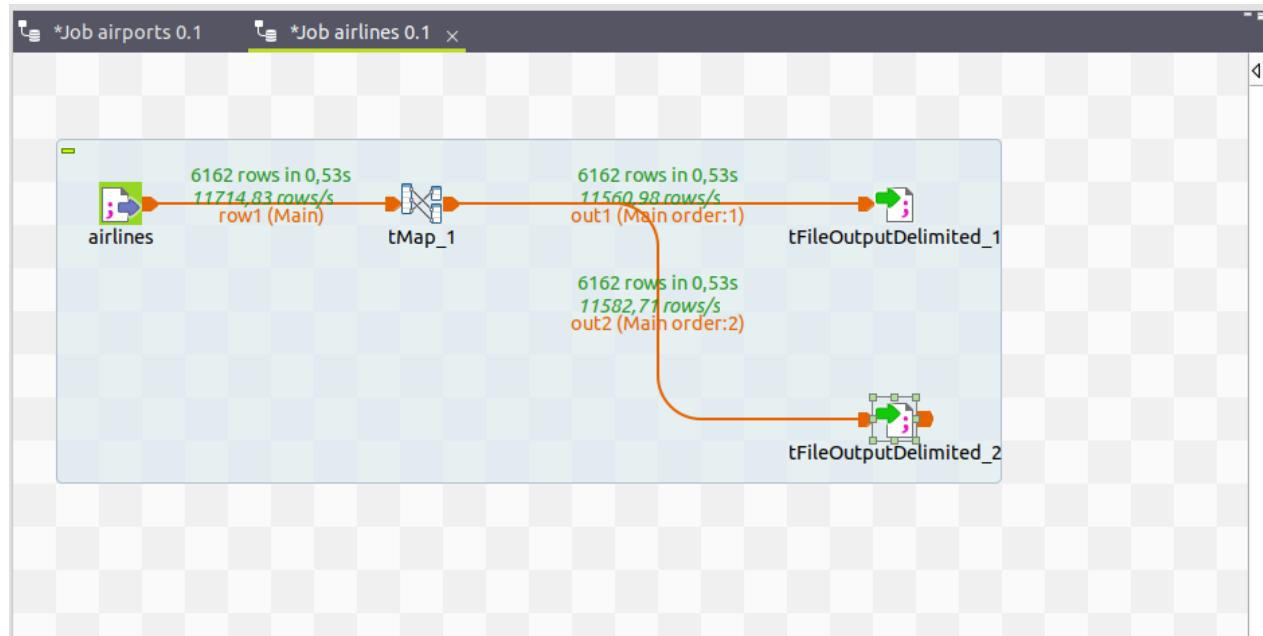
Colonne	Clé	Type	Null	Modèle de	Longu	Précisi	Par d	Comm
Callsign		String			52	0		
Country		String	✓		34	0		
Active		String	✓		3	0		

**out2**

Colonne	Clé	Type	Null	Modèle de	Longu	Précisi	Par d	Comm
AirlineID		Integer			2	0		
Country		String	✓		34	0		
Active		String	✓		3	0		

Appliquer Ok Annuler

- Résultat de mapping



- les fichiers finales :

>>out 1 : (2 colonnes)

	A	B	C	D	E	F	G	H	I
1	Unknown		-1						
2	Private flight		1						
3	135 Airways		2						
4	1Time Airline		3						
5	2 Sqn No 1 Elementary Flying Training School		4						
6	213 Flight Unit		5						
7	223 Flight Unit State Airline		6						
8	224th Flight Unit		7						
9	247 Jet Ltd		8						
10	3D Aviation		9						
11	40-Mile Air		10						
12	4D Air		11						
13	611897 Alberta Limited		12						
14	Ansett Australia		13						
15	Abacus International		14						
16	Abelag Aviation		15						
17	Army Air Corps		16						
18	Aero Aviation Centre Ltd.		17						
19	Aero Servicios Ejecutivos Internacionales		18						
20	Aero Biniza		19						
21	Aero Albatros		20						
22	Aigle Azur		21						
23	Alaska Airlines		22						
24	Alaska Island Air		23						
25	American Airlines		24						
26	Aviation Management Corporation		25						
27	Atlantis Airlines (USA)		26						
28	Aerovista Airlines		27						
29	Asian Airlines		28						
30	Askan Aviation		29						
31	Australia Asia Airlines		30						
32	Astro Air International		31						
33	Afrinivah Airways		32						

>> out 2 : (3 colonnes)

	A	B	C	D	E	F	G	H	I	J	K	L	M
1	-1\n		Y										
2	1		Y										
3	2 United States		N										
4	3 South Africa		Y										
5	4 United Kingdom		N										
6	5 Russia		N										
7	6 Russia		N										
8	7 Russia		N										
9	8 United Kingdom		N										
10	9 United States		N										
11	10 United States		Y										
12	11 Thailand		N										
13	12 Canada		N										
14	13 Australia		Y										
15	14 Singapore		Y										
16	15 Belgium		N										
17	16 United Kingdom		N										
18	17 Canada		N										
19	18 Mexico		N										
20	19 Mexico		N										
21	20 Spain		N										
22	21 France		Y										
23	22 United States		Y										
24	23 United States		N										
25	24 United States		Y										
26	25 United States		N										
27	26 United States		N										
28	27 United Arab Emirates		N										
29	28 Republic of Korea		Y										
30	29 Pakistan		Y										