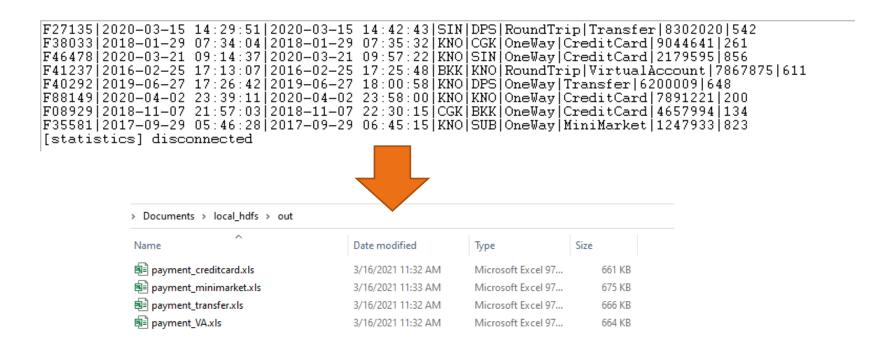


DISCLAIMER

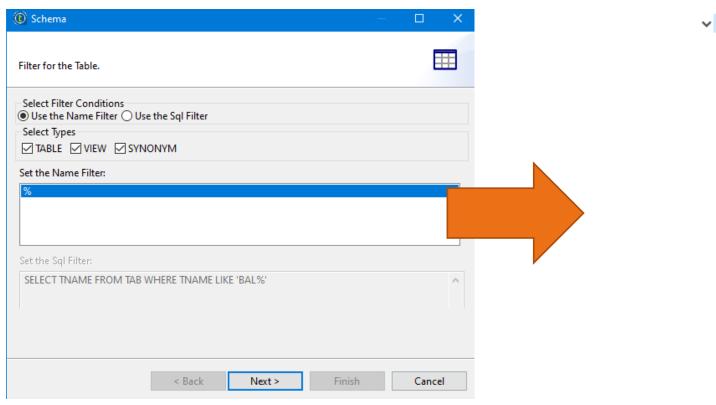
ALL ROW DATA DISPLAYED ARE SELF-CREATED AND NOT COMPANY DATA

Problem 1

Using the travel_db database with the fact_flight_sales table, divide the following table according to the unique values in the payment_method column

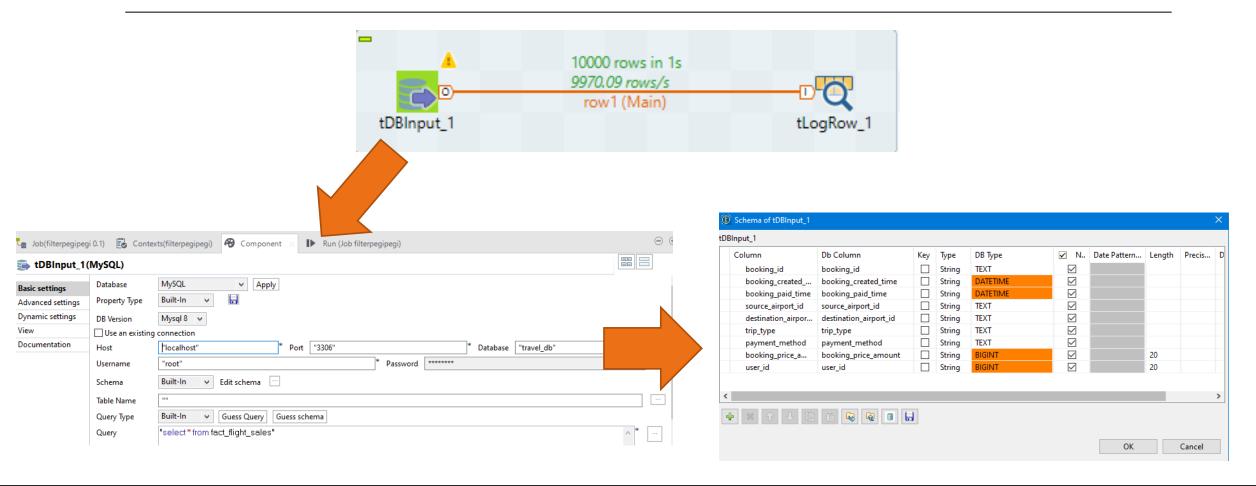


Problem 1 Solution Database Scheme



DbInput 0.1		
Queries		
Synonym	schemas	
▼ Table sch	iemas	
dim_flight_airport		
E	airport_id	
E	airport_name	
E -	airport_city_name	
Ē.	airport_country_name	
fact_flight_sales		
→ Col	umns(9)	
Ē	booking_id	
Ē	booking_created_time	
Ē	booking_paid_time	
Ē	source_airport_id	
Ē	destination_airport_id	
	trip_type	
E	payment_method	
Ē	booking_price_amount	
Ē	user_id	
	Queries Synonym Sylonym Col Gim_fl Gi	

Problem 1 Solution First Insight of The Data

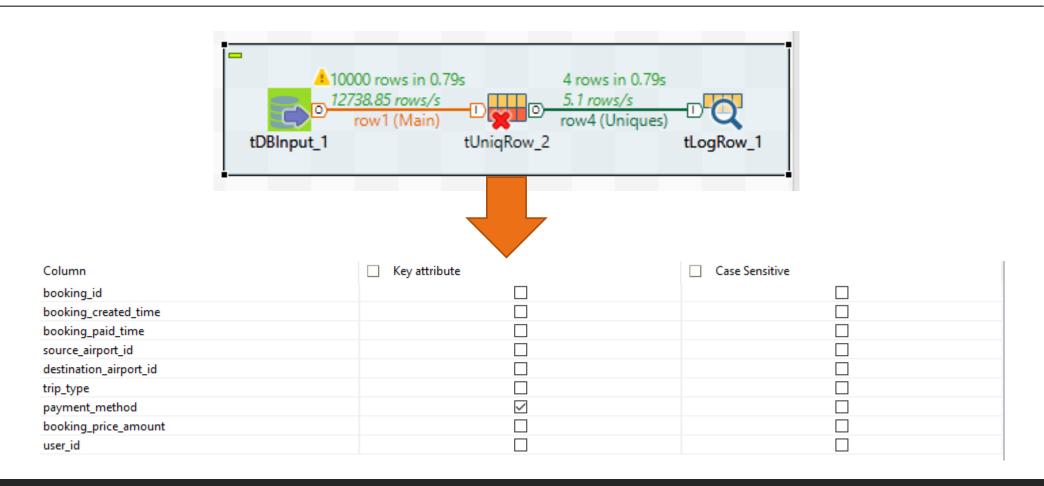


Problem 1 Solution First Insight of The Data

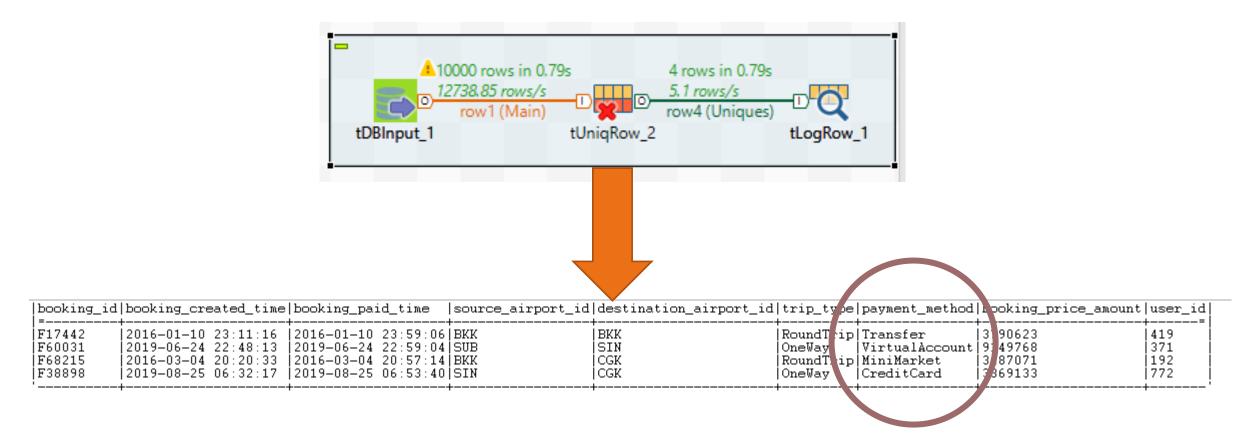


```
F27135|2020-03-15 14:29:51|2020-03-15 14:42:43|SIN|DPS|RoundTrip|Transfer|8302020|542
F38033|2018-01-29 07:34:04|2018-01-29 07:35:32|KNO|CGK|OneWay|CreditCard|9044641|261
F46478|2020-03-21 09:14:37|2020-03-21 09:57:22|KNO|SIN|OneWay|CreditCard|2179595|856
F41237|2016-02-25 17:13:07|2016-02-25 17:25:48|BKK|KNO|RoundTrip|VirtualAccount|7867875|611
F40292|2019-06-27 17:26:42|2019-06-27 18:00:58|KNO|DPS|OneWay|Transfer|6200009|648
F88149|2020-04-02 23:39:11|2020-04-02 23:58:00|KNO|KNO|OneWay|CreditCard|7891221|200
F08929|2018-11-07 21:57:03|2018-11-07 22:30:15|CGK|BKK|OneWay|CreditCard|4657994|134
F35581|2017-09-29 05:46:28|2017-09-29 06:45:15|KNO|SUB|OneWay|MiniMarket|1247933|823
[statistics] disconnected
```

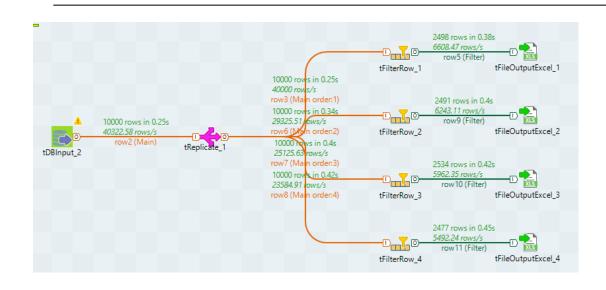
Problem 1 Solution Find Unique Data from Payment Column

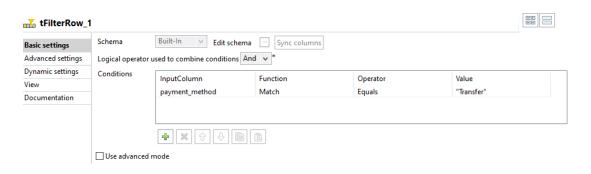


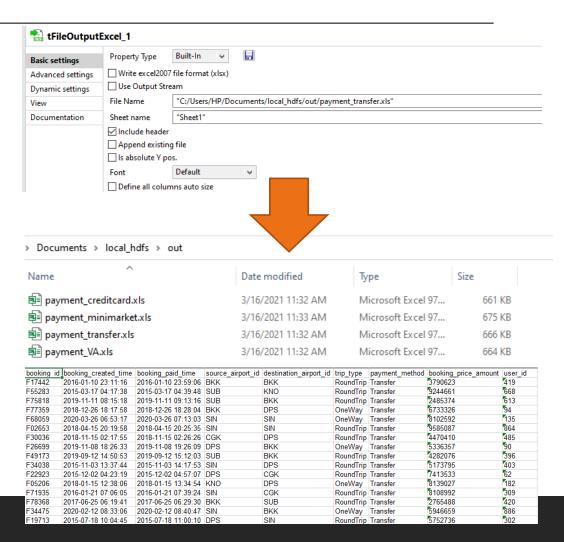
Problem 1 Solution Find Unique Data from Payment Column



Problem 1 Solution Data Splitting







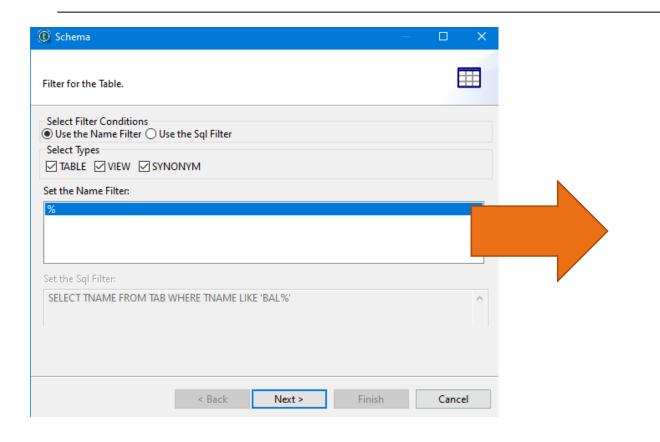
Problem 2

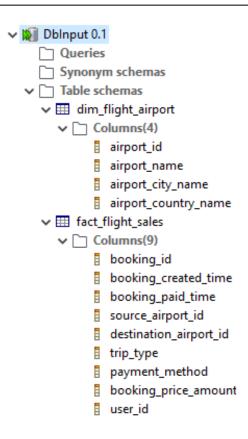
Using travel_db *database*, write a query and find a solution using Talend to find out popular international routes during Jan 2017 - Dec 2018. Sort from the most popular.

Problem 2 Solution Using SQL Query

```
SELECT source_airport_id, destination_airport_id, COUNT(*)
FROM fact_flight_sales
WHERE (booking_paid_time between '2017-01-01 00:00:00' and '2018-12-
31 23:59:59' AND (source_airport_id<>destination_airport_id))
GROUP BY source_airport_id, destination_airport_id
ORDER BY count(*) DESC;
```

Problem 2 Solution Database Scheme





Problem 2 Solution First Insight of The Data



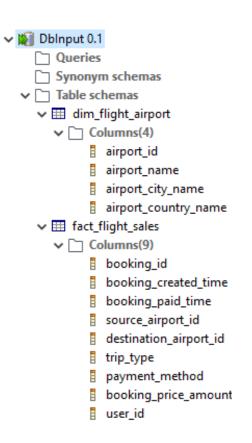


Table: fact_flight_sales

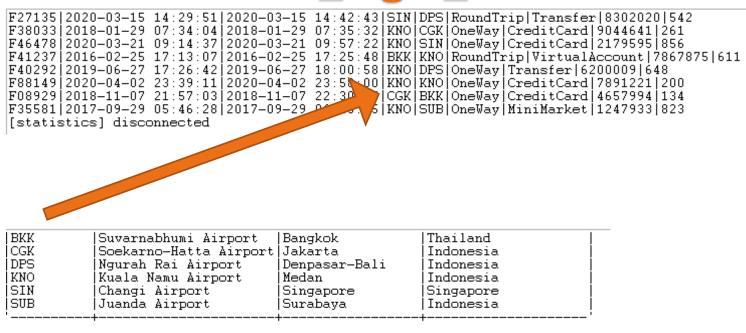
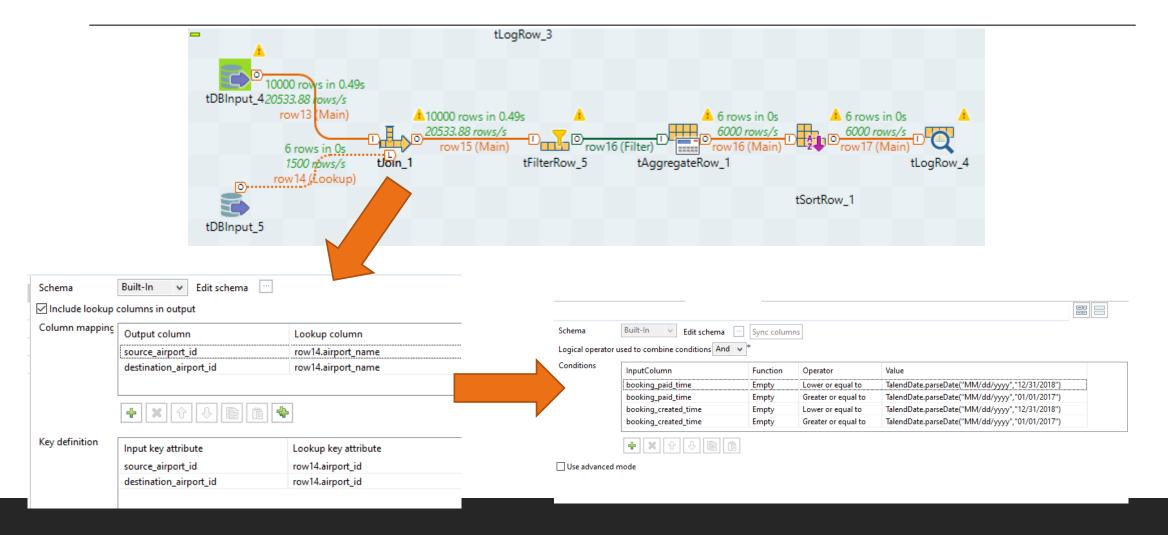
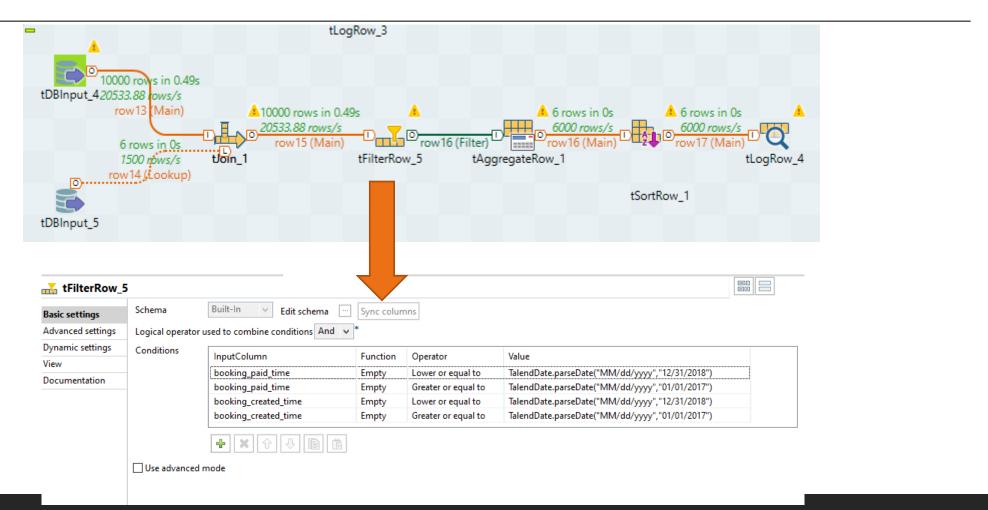


Table: dim_flight_airport

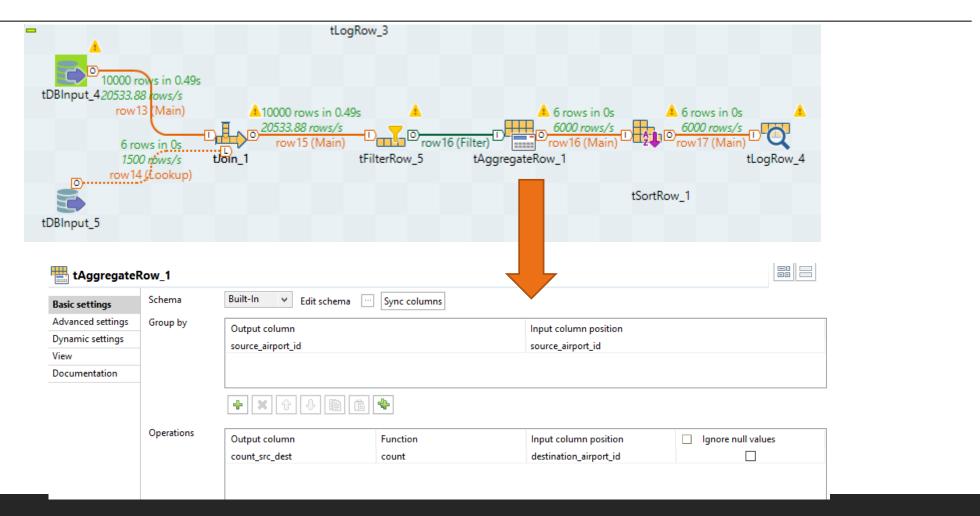
Problem 2 Solution Join Process



Problem 2 Solution Filtering Process



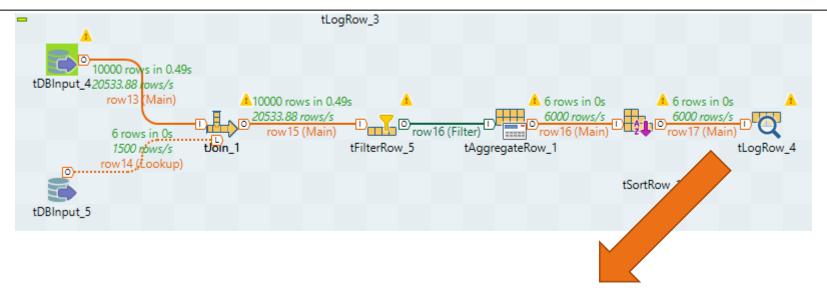
Problem 2 Solution Aggregating Process



Problem 2 Solution Joining Process



Problem 2 Solution Final Results



tLogRow_4			
source_airport_id	destination_airport_id	count_src_dest	
Changi Airport Ngurah Rai Airport Soekarno-Hatta Airport Kuala Namu Airport Suvarnabhumi Airport Juanda Airport	Juanda Airport Juanda Airport Juanda Airport Juanda Airport Juanda Airport Juanda Airport	585 582 578 554 541 500	

