IT3021 – Data Warehousing and Business Intelligence

Assignment 2

Submitted by:

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Contents

Data Source

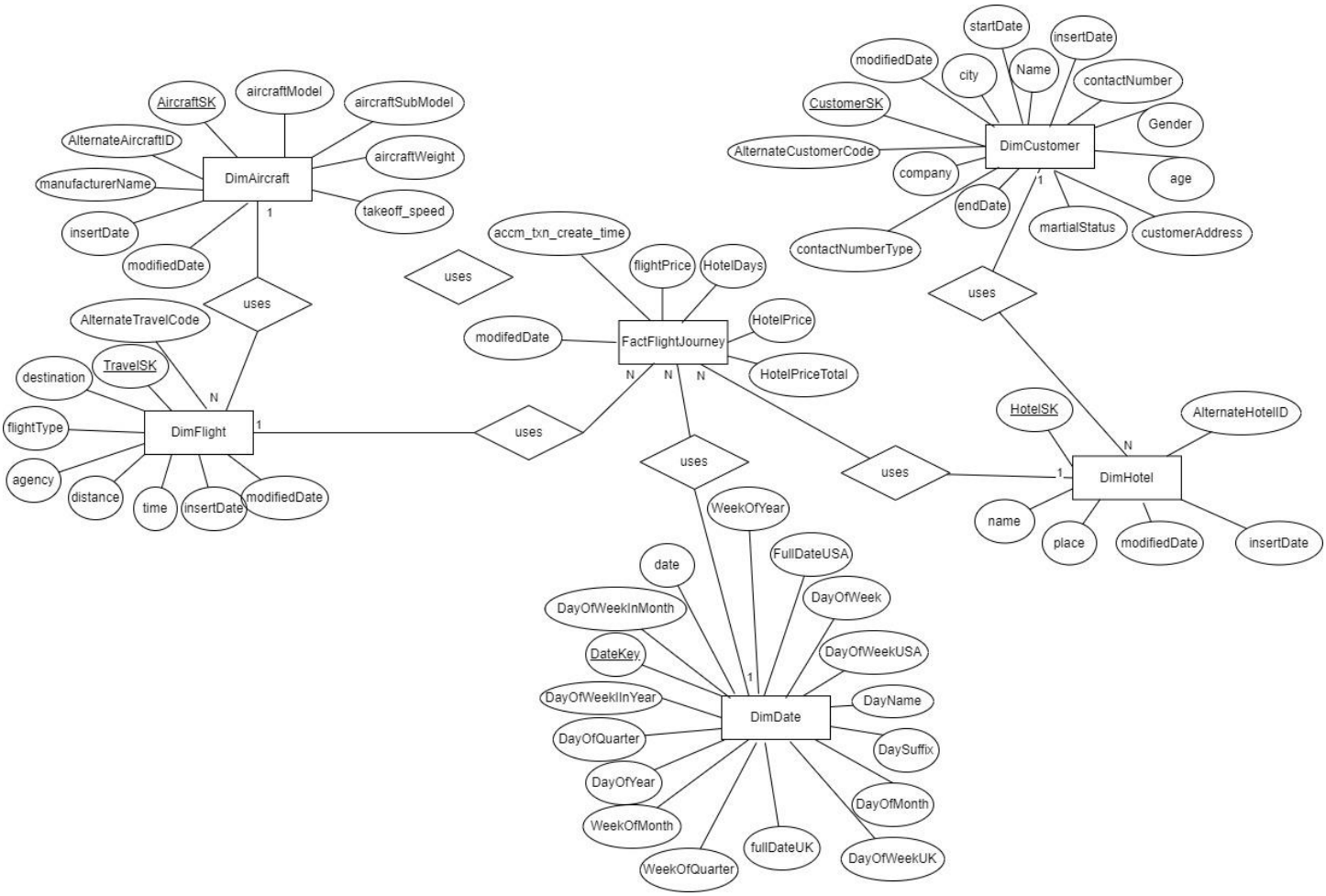
The data source for this assignment is an OLTP dataset which contains fact tables and dimension tables in a data warehouse. In this data warehouse there are five dimension tables and a single fact table. The dimension tables are namely : DimAircraft, DimCustomer, DimDate, DimFlight, DimHotel and the name of the fact table is FactsFlightJourney.

Table name	Column Name	Data type	Column type
DimDate	DateKey	int	Primary Key
	Date	datetime	Non-key column
	FullDateUK	char(10)	Non-key column
	FullDateUSA	char(10)	Non-key column
	DayOfMonth	varchar(2)	Non-key column
	DaySuffix	varchar(4)	Non-key column
	DayName	varchar(9)	Non-key column
	DayOfWeekUSA	char(1)	Non-key column
	DayOfWeekUK	char(1)	Non-key column
	DayOfWeekInMonth	varchar(2)	Non-key column
	DayOfWeekInYear	varchar(2)	Non-key column
	DayOfQuarter	varchar(3)	Non-key column
	DayOfYear	varchar(3)	Non-key column
	WeekOfMonth	varchar(1)	Non-key column
	WeekOfQuarter	varchar(2)	Non-key column
	WeekOfYear	varchar(2)	Non-key column
	Month	varchar(2)	Non-key column
	MonthName	varchar(9)	Non-key column
	MonthOfQuarter	varchar(2)	Non-key column
	Quarter	char(1)	Non-key column
	QuarterName	varchar(9)	Non-key column
	Year	char(4)	Non-key column
	YearName	char(7)	Non-key column
	MonthYear	char(10)	Non-key column
	MMYYYY	char(6)	Non-key column
	FirstDayOfMonth	date	Non-key column
	LastDayOfMonth	date	Non-key column
	FirstDayOfQuarter	date	Non-key column
	LastDayOfQuarter	date	Non-key column
	FirstDayOfYear	date	Non-key column
	LastDayOfYear	date	Non-key column
	IsHolidaySL	bit	Non-key column
	IsWeekday	bit	Non-key column
	HolidaySL	varchar(50)	Non-key column
	isCurrentDay	int	Non-key column
	isDataAvailable	int	Non-key column
	isLatestDataAvailable	int	Non-key column
DimAircraft	AircraftSK	int	Primary key
	AlternateAircraftID	int	Business key
	manufacturerName	nvarchar(50)	Non-key column
	aircraftModel	nvarchar(50)	Non-key column
	aircraftSubModel	nvarchar(50)	Non-key column
	aircraftWeight	decimal(28,0)	Non-key column
	takeoff_speed	decimal(28,0)	Non-key column
	insertDate	datetime	Non-key column
	modifiedDate	datetime	Non-key column

DimCustomer	CustomerSK	int	Primary key
	AlternateCustomerCode	int	Business key
	Company	nvarchar(200)	Non-key column
	Name	nvarchar(200)	Non-key column
	Gender	nvarchar(30)	Non-key column
	age	numeric(18,0)	Non-key column
	Customer_address	nvarchar(200)	Non-key column
	startDate	datetime	Non-key column
	endDate	datetime	Non-key column
	insertDate	datetime	Non-key column
	modifiedDate	datetime	Non-key column
	city	nvarchar(100)	Non-key column
	contactNumber	nvarchar(30)	Non-key column
	contactNumberType	nvarchar(30)	Non-key column
	martialStatus	nvarchar(20)	Non-key column
DimFlight	TravelSK	int	Primary key
	AlternateTravelCode	nvarchar(50)	Business key
	userKey	int	Foreign key references DimCustomer(CustomerSK)
	source	nvarchar(50)	Non-key column
	destination	nvarchar(50)	Non-key column
	flightType	nvarchar(50)	Non-key column
	agency	nvarchar(50)	Non-key column
	distance	float	Non-key column
	time	float	Non-key column
	insertDate	datetime	Non-key column
	modifiedDate	datetime	Non-key column
	aircraftKey	int	Foreign key references DimAircraft(AircraftSK)
DimHotel	HotelSK	int	Primary key
	AlternateHotelID	int	Business key
	travelKey	int	Foreign key references DimFlight(TravelSK)
	userKey	int	Foreign key references DimCustomer(CustomerSK)
	name	nvarchar(50)	Non-key column
	place	nvarchar(50)	Non-key column
	insertDate	datetime	Non-key column
	modifiedDate	datetime	Non-key column
FactFlightJourney	CustomerKey	int	Foreign key references DimCustomer(CustomerSK)
	aircraftKey	int	Foreign key references DimAircraft(AircraftSK)
	flightJourneyDateKey	int	Foreign key references DimDate(DateKey)
	flightPrice	float	Non-key column
	HotelDays	int	Non-key column
	HotelPrice	float	Non-key column
	HotelPriceTotal	float	Non-key column
	accm_txn_create_time	datetime	Non-key column
	modifiedDate	datetime	Non-key column

ER Diagram

The diagram below shows the ER diagram for the data source showing the connections between the dimension tables and the fact table.



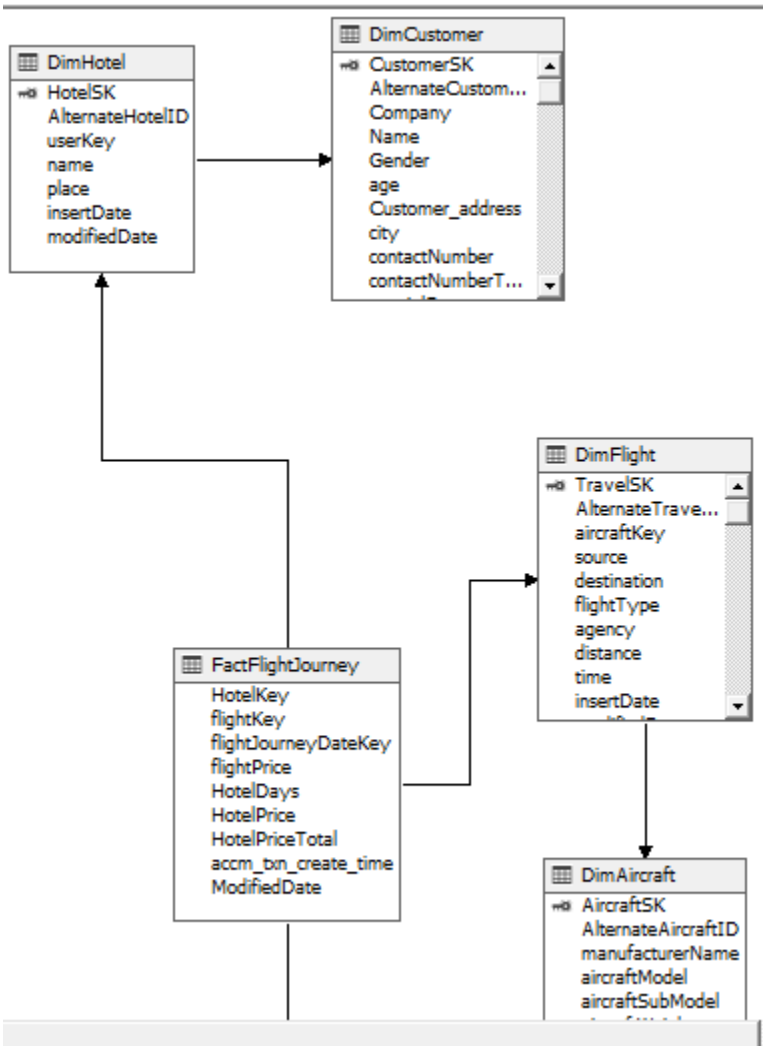
Note : There are lots of attributes for the date dimension so all the attributes of the date dimension are not included in the ER diagram.

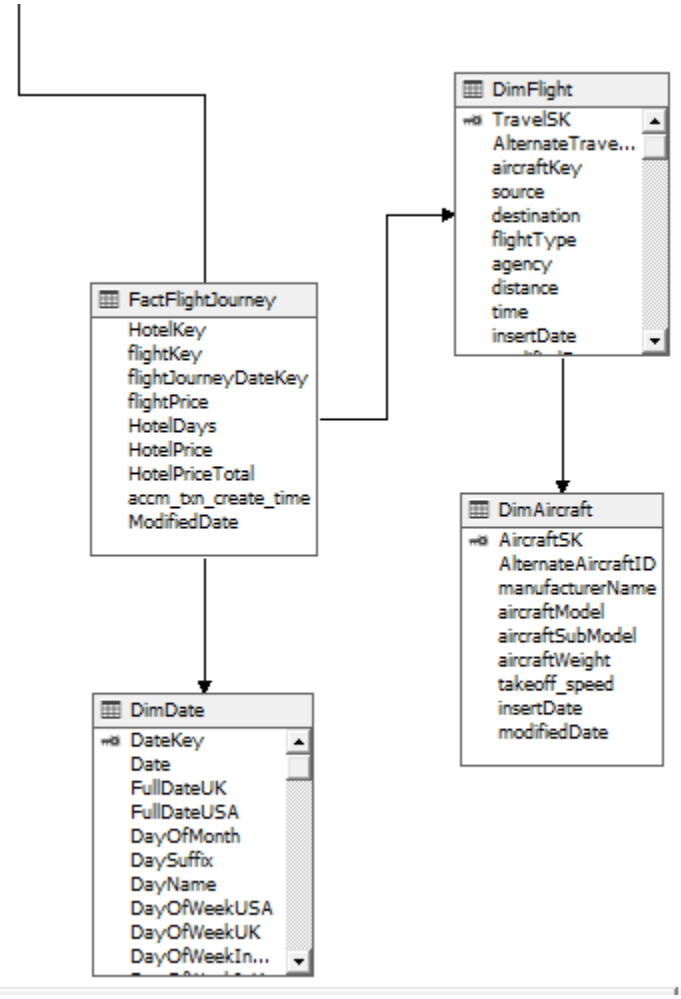
SSAS Cube Implementation

Before creating a cube we should; first we should create a data source and the name of the data source is DS_Flights_DW_Test. The next step is to create a data source view; in this case the name of the data source view is DSV_Flights_DW_Test. In the next step we are going to create the cube and the dimensions are created automatically;

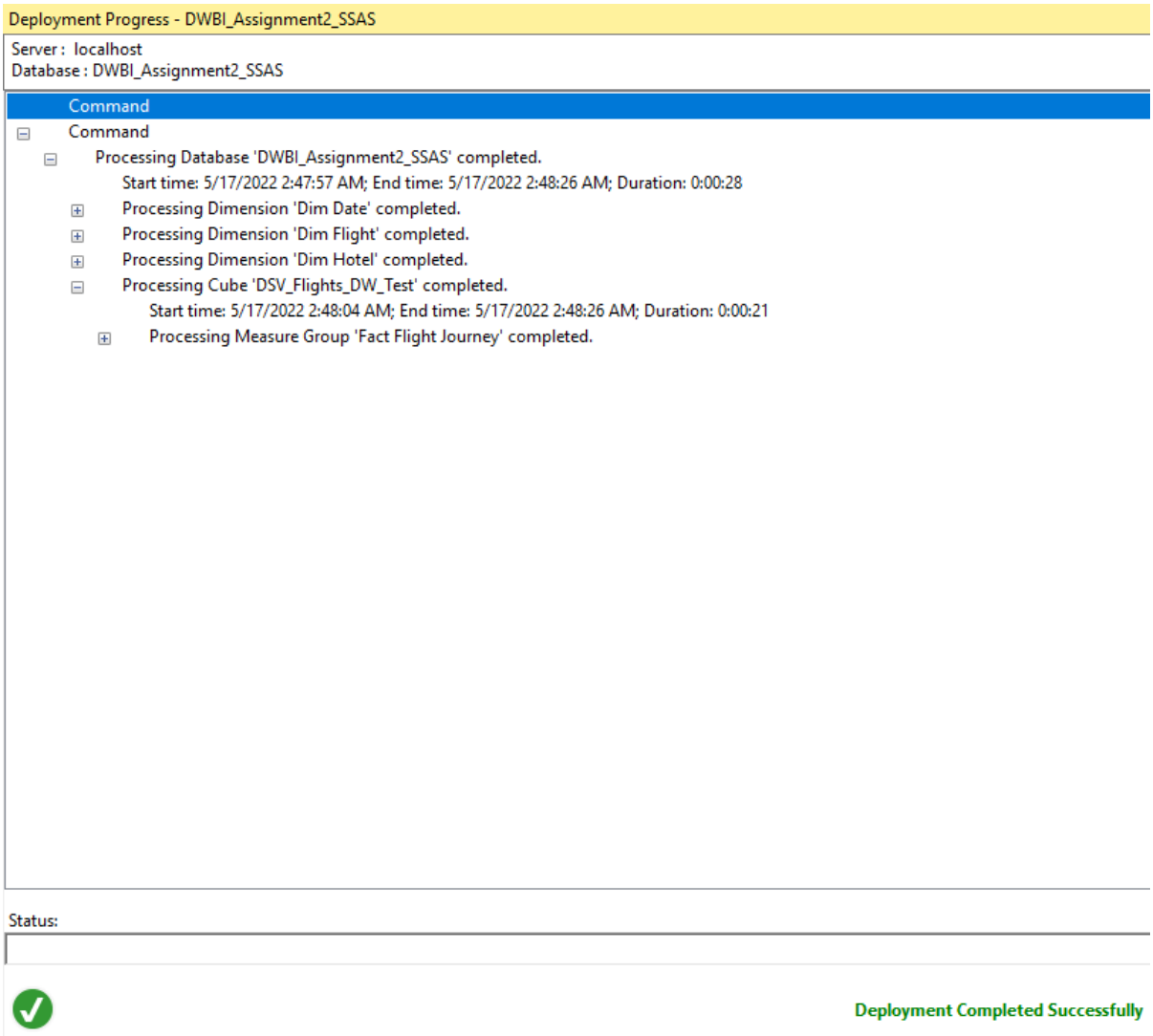
in this case the name of the cube is Cube_Flights.

The diagram below shows the data source view:

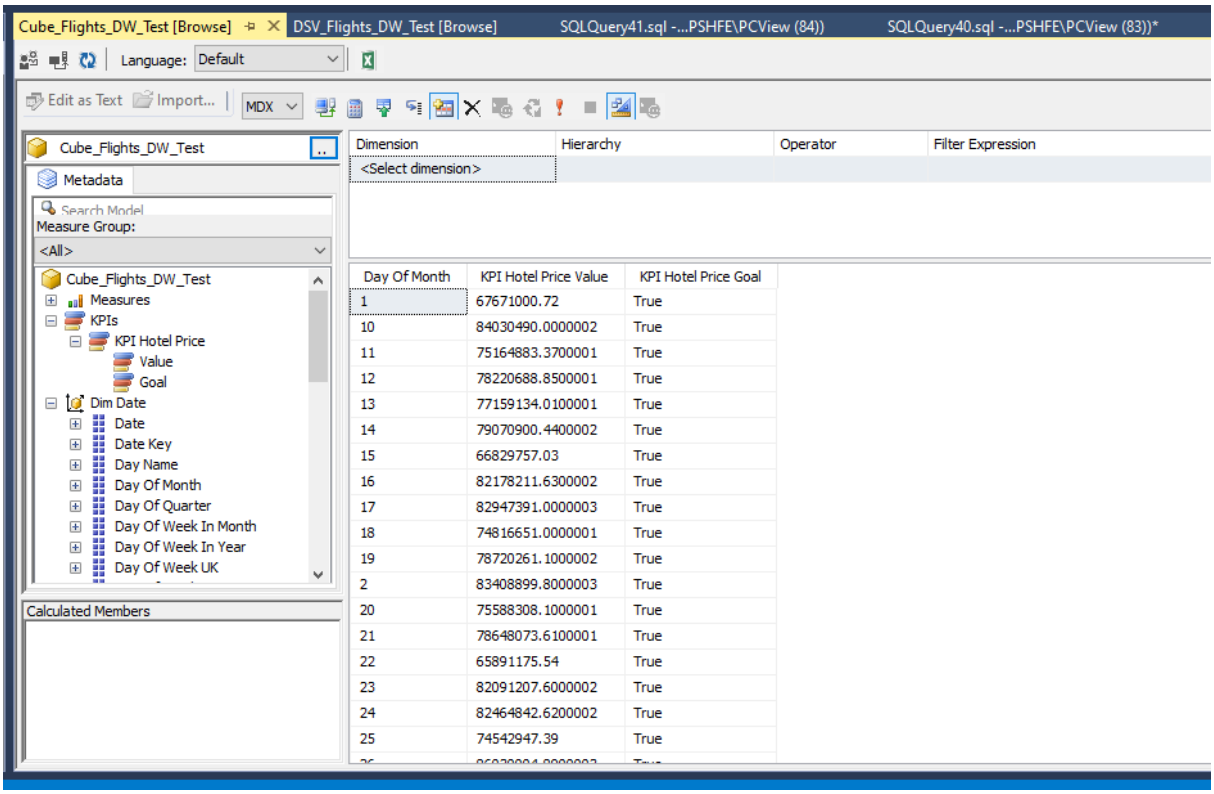

DimHotel
HotelSK
AlternateHotelID
userKey
name
place
insertDate
modifiedDate
DimCustomer
CustomerSK
AlternateCustom...
Company
Name
Gender
age
Customer_address
city
contactNumber
contactNumberT...
DimFlight
TravelSK
AlternateTrave...
aircraftKey
source
destination
flightType
agency
distance
time
insertDate
FactFlightJourney
HotelKey
flightKey
flightJourneyDateKey
flightPrice
HotelDays
HotelPrice
HotelPriceTotal
accm_txn_create_time
ModifiedDate
DimAircraft
AircraftSK
AlternateAircraftID
manufacturerName
aircraftModel
aircraftSubModel



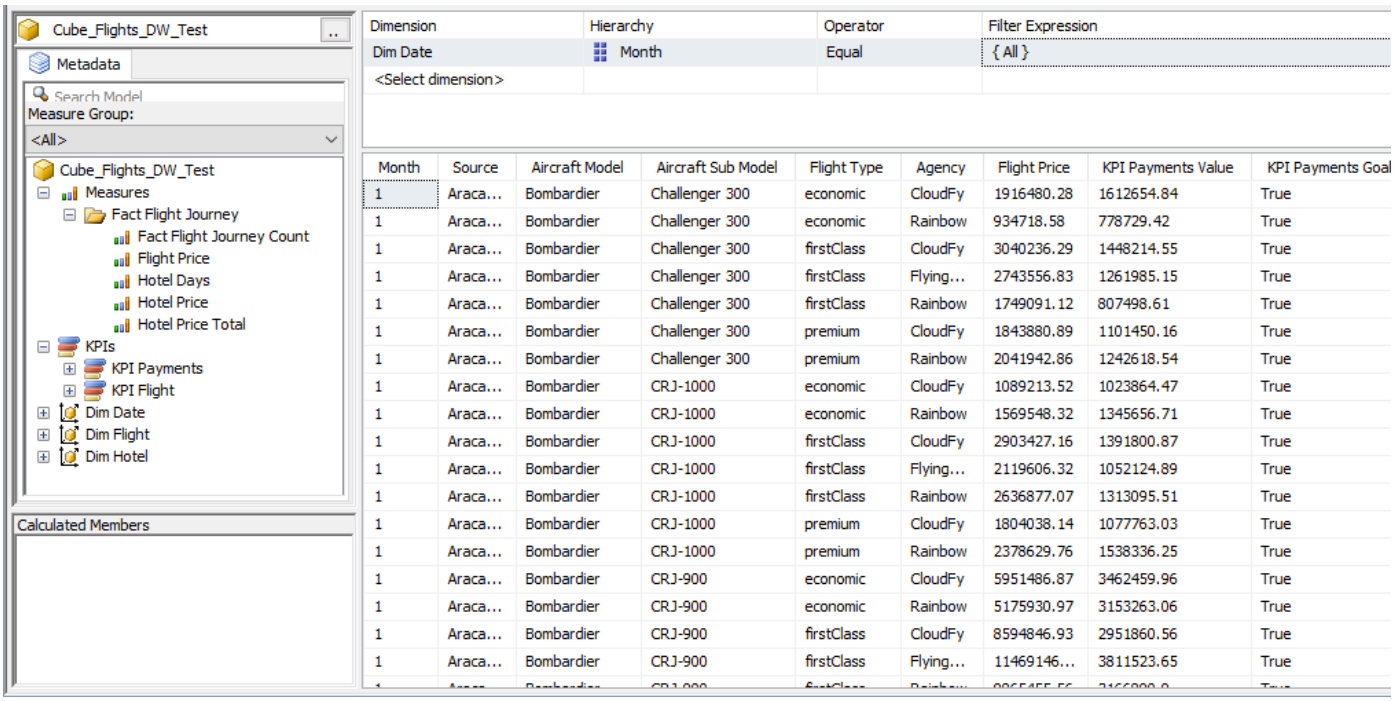
The cube was processed and it was successful as shown below.



As shown in the image below the data is successfully being viewed on the browser.



After creating a KPI the cube was run in the browser and to display the details on the browser Source from DimFlight, AircraftModel from DimAircraft, AircraftSubModel from DimAircraft, FlightType from DimFlight, Agency from DimFlight, FlightPrice from FactFlightJourney, and value and goal from KPI Payments below and this was sorted using the DimDate as shown below.



The MDX query that was used to create the connection to the PowerPivot in Microsoft Excel is shown below.

```
SELECT NON EMPTY { [Measures].[Flight Price], KPIValue("KPI Payments"), KPIGoal("KPI Payments") } ON COLUMNS, NON EMPTY { ([Dim Date].[Month].
[Month].ALLMEMBERS * [Dim Flight].[Source].[Source].ALLMEMBERS * [Dim Flight].[Aircraft Model].[Aircraft Model].ALLMEMBERS * [Dim Flight].[Aircraft Sub Model].
[Aircraft Sub Model].ALLMEMBERS * [Dim Flight].[Flight Type].[Flight Type].ALLMEMBERS * [Dim Flight].[Agency].[Agency].ALLMEMBERS ) } DIMENSION PROPERTIES
MEMBER_CAPTION, MEMBER_UNIQUE_NAME ON ROWS FROM ( SELECT ( { [Dim Date].[Month].[All] } ) ON COLUMNS FROM [Cube_Flights_DW_Test]) CELL
PROPERTIES VALUE, BACK_COLOR, FORE_COLOR, FORMATTED_VALUE, FORMAT_STRING, FONT_NAME, FONT_SIZE, FONT_FLAGS
```

Demonstration of OLAP Operations

When creating the pivot table using Excel in PowerPivot :

1. As the filters MeasureKPI Payment, DimFlightType, and DimFlightAgency were included.
2. As the columns Dim DateMonth is included.
3. As the rows DimFlightAircraft Model, DimFlightAircraft SubModel, and DimFlightSource were included.
4. As the values SumOfMeasuresFlightPrice and SumOfMeasuresHotelPriceTotal were included.

The screenshot below shows a part of the pivot table.

MeasuresKPI Payments Goal	All												
Dim FlightFlight TypeFlight Type	All												
Dim FlightAgencyAgency	All												
	Column Labels												
	Sum of MeasuresFlight Price												
Row Labels	1	10	11	12	2	3	4	5	6	7	8	9	
Airbus													
Airbus-321													
Florianopolis (SC)	210395.79		145416.51	91519.31		49483.98	44317.54		31350.47	115463.42	55187.88		
Recife (PE)	102126109.6	116838224.9	104969809.2	106873493.5	92869501.21	99619115.18	95142699.75	92454456.39	80854126.48	86225607.31	76281638.87	84611728.9	
Airbus-330													
Florianopolis (SC)	15617259.52	17873341.38	15014886.19	16587238.1	11580864.95	15290514.71	15151353.21	13191276.4	12862275.23	12885849.67	9484242.11	11934968.9	
Airbus-340													
Brasilia (DF)	44383369.2	53327755.96	46875668.78	49579485.95	44583310.39	44569942.26	43611050.06	40799067.52	40954029.09	39839304.82	37553838.24	37421495.7	
Airbus-350													
Florianopolis (SC)	15667656.86	17556160.04	17981576.26	14994510.81	14524674.55	12497824.55	14801097.05	11683061.23	13518500.38	14255059.79	11899506.82	12848357.6	
Airbus-380													
Brasilia (DF)	4313943.35	5576219.94	4258218.7	5019527.25	3977433.29	3696764.87	4811868.89	3825655.94	3510065.98	3250980.94	2801411.13	3320269.0	
Antonov													
An-140													
Salvador (BH)	15042956.39	16953689.45	16463721.44	17519679.72	12637151.57	13173236.06	13695913.73	11992771.41	12645769.54	12247346.34	10937107.5	12589610.1	

Sheet1

Using a pivot table we can perform the OLAP operations such as roll-up, drill-down, slice, dice, pivot. Initially we can perform a roll-up.

Roll-up

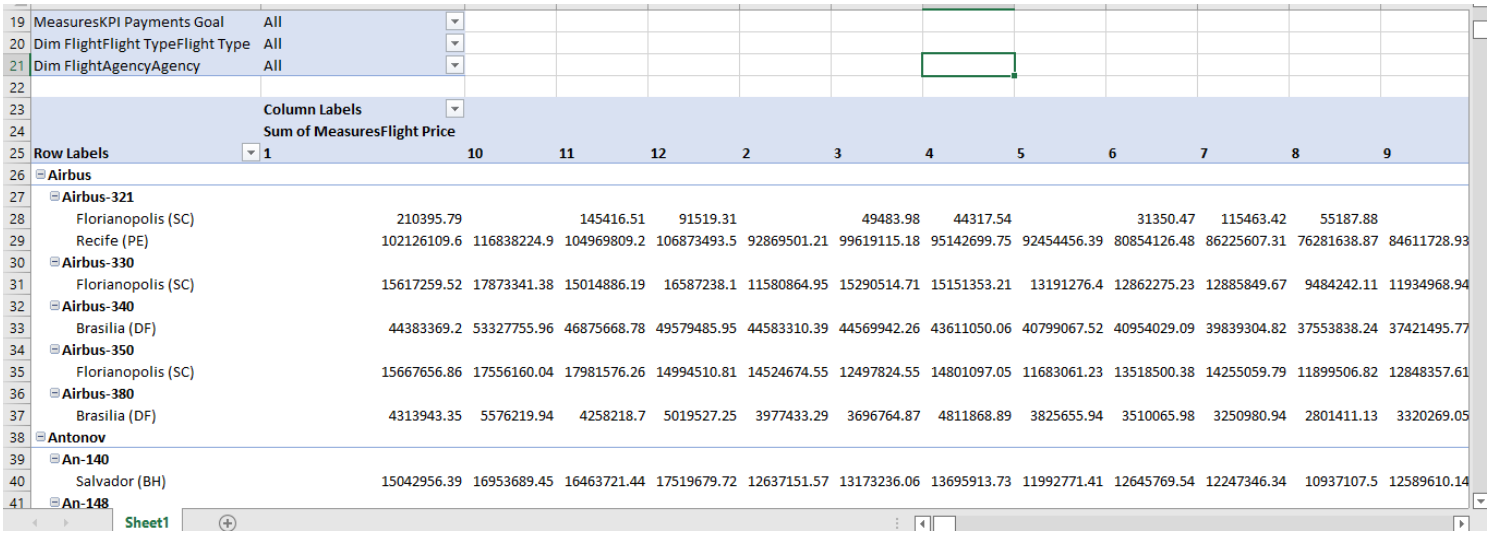
The screenshot below shows a roll-up. According to the aircraft model the total costs of flight price and hotel price is calculated.

MeasuresKPI Payments Goal	All												
Dim FlightFlight TypeFlight Type	All												
Dim FlightAgencyAgency	All												
	Column Labels												
	Sum of MeasuresFlight Price												
Row Labels	1	10	11	12	2	3	4	5	6	7	8	9	
Airbus	182318734.3	211171702.2	189245575.6	193145775	167535784.4	175723645.6	173562386.5	161953517.5	151730347.6	156572266	138075825.1	150136820.3	
Antonov	27627517.13	30798728.65	29147178.07	31669239.06	23722671.61	25052850.46	26215335.78	22850425.06	22648796.41	23327015.62	22309175.76	23082245.64	
ATR	16344907.85	14662962.26	15102387.76	19444224.69	14833075.75	14401898.24	13715448.22	12026731.77	11764746.13	12532984.58	14079265.07	14095090.33	
Beechcraft	19166878.05	20359979.73	17091214.23	17890236.89	14581253.43	14827512.4	15500922.19	14722191.77	13240652.26	15185139.45	14334565.61	15138639.15	
Beriev	22711844.3	25104746.07	25006900.59	24055496.65	20406736.6	19902777.93	21383817.5	20131637.58	19652468.86	18075433.51	16134797.14	19862986.34	
Boeing	5891210.32	6383554.2	5243347.71	4969568.72	4120240.28	5174911.61	4262543.02	3857413.25	4035330.61	3585577.29	4223895.05	4786264.48	
Bombardier	414562922.4	454933495	410662074	433094189.9	370643378	381621401.2	380834720.7	363985397.7	334122932.8	358110254.1	321200708.7	333957944.4	
British Aerospace	4935819.98	6176929.23	5207484.23	5741310.87	3371024.63	5043557.03	4092706.24	3465349.02	3256377.57	4306103.4	3794788.99	3577536.59	
Comac	6552609.96	8248804.37	7408544.8	6935300.38	6840889.18	6132100.29	5064247.14	5592869.72	5847983.45	6171097.98	6022364.09	5715754.7	
DHC	26720215.05	30938082.59	26428595.83	27564209.14	28212165.55	26846860.82	25065779.13	21364941	21131801.61	23707925.82	20541921.67	21882530.42	
Douglas	32767564.37	35602902.28	28862451.6	31748774.36	29415543.97	28271635.79	28604286.08	30922236.87	23269626.27	24996764.5	22953309.01	26530682.79	
Embraer	144215859.6	155076648.7	139547401.8	146635713.8	125224016.7	129601463.8	125726031.7	118576989.8	111311559.8	118017478.2	96694872.55	107165750.1	
Irkut	6321406.62	4963214.22	6119801.54	5982150.33	4734642.11	4340152.3	6267106.29	5436050.5	4132877.01	4417629.57	4089719.98	4772310.83	
Tuploev	59246099.04	66694114.34	59002958.03	57770136.98	53001515.66	54746192.13	55242404.35	51548161.98	46694218.64	48483887.68	44619940.95	48709991.94	
Grand Total	969383589	1071115864	964075915.8	1006646327	866642937.9	891686959.6	885537734.8	836433913.5	772839719	817489557.7	729075149.6	779414548	

As the next OLAP operation a drill-down will be performed.

Drill-Down

The screenshot below shows a drill-down. The aircraft is divided into subtypes; aircraftModel and for each aircraftModel the starting point of the journey is shown.

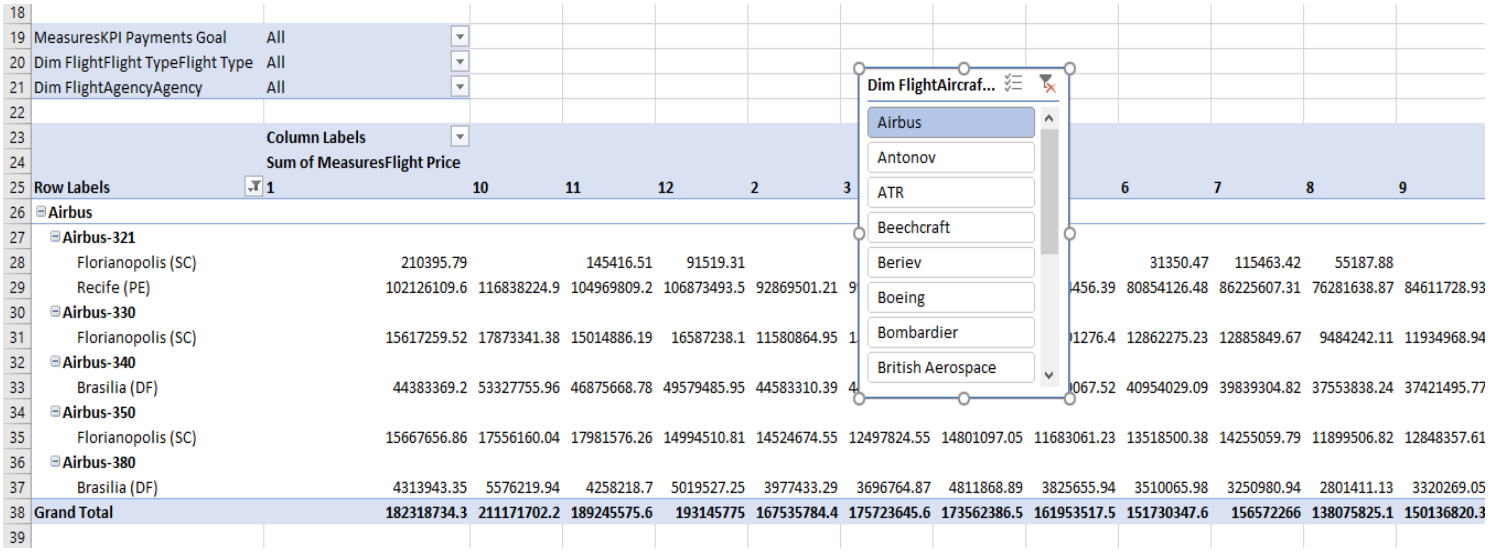


MeasuresKPI Payments Goal	All												
Dim FlightFlight TypeFlight Type	All												
Dim FlightAgencyAgency	All												
	Column Labels												
	Sum of MeasuresFlight Price												
Row Labels	1	10	11	12	2	3	4	5	6	7	8	9	
Airbus													
Airbus-321													
Florianopolis (SC)	210395.79		145416.51	91519.31		49483.98	44317.54		31350.47	115463.42	55187.88		
Recife (PE)	102126109.6	116838224.9	104969809.2	106873493.5	92869501.21	99619115.18	95142699.75	92454456.39	80854126.48	86225607.31	76281638.87	84611728.93	
Airbus-330													
Florianopolis (SC)	15617259.52	17873341.38	15014886.19	16587238.1	11580864.95	15290514.71	15151353.21	13191276.4	12862275.23	12885849.67	9484242.11	11934968.94	
Airbus-340													
Brasilia (DF)	44383369.2	53327755.96	46875668.78	49579485.95	44583310.39	44569942.26	43611050.06	40799067.52	40954029.09	39839304.82	37553838.24	37421495.77	
Airbus-350													
Florianopolis (SC)	15667656.86	17556160.04	17981576.26	14994510.81	14524674.55	12497824.55	14801097.05	11683061.23	13518500.38	14255059.79	11899506.82	12848357.61	
Airbus-380													
Brasilia (DF)	4313943.35	5576219.94	4258218.7	5019527.25	3977433.29	3696764.87	4811868.89	3825655.94	3510065.98	3250980.94	2801411.13	3320269.05	
Antonov													
An-140													
Salvador (BH)	15042956.39	16953689.45	16463721.44	17519679.72	12637151.57	13173236.06	13695913.73	11992771.41	12645769.54	12247346.34	10937107.5	12589610.14	
An-148													

Sheet1

Slice

The data was sliced using the FlightAircraft dimension as shown below.



MeasuresKPI Payments Goal	All												
Dim FlightFlight TypeFlight Type	All												
Dim FlightAgencyAgency	All												
	Column Labels												
	Sum of MeasuresFlight Price												
Row Labels	1	10	11	12	2	3			6	7	8	9	
Airbus													
Airbus-321													
Florianopolis (SC)	210395.79		145416.51	91519.31					31350.47	115463.42	55187.88		
Recife (PE)	102126109.6	116838224.9	104969809.2	106873493.5	92869501.21	9		456.39	80854126.48	86225607.31	76281638.87	84611728.93	
Airbus-330													
Florianopolis (SC)	15617259.52	17873341.38	15014886.19	16587238.1	11580864.95	1		1276.4	12862275.23	12885849.67	9484242.11	11934968.94	
Airbus-340													
Brasilia (DF)	44383369.2	53327755.96	46875668.78	49579485.95	44583310.39	4		067.52	40954029.09	39839304.82	37553838.24	37421495.77	
Airbus-350													
Florianopolis (SC)	15667656.86	17556160.04	17981576.26	14994510.81	14524674.55	12497824.55	14801097.05	11683061.23	13518500.38	14255059.79	11899506.82	12848357.61	
Airbus-380													
Brasilia (DF)	4313943.35	5576219.94	4258218.7	5019527.25	3977433.29	3696764.87	4811868.89	3825655.94	3510065.98	3250980.94	2801411.13	3320269.05	
Grand Total	182318734.3	211171702.2	189245575.6	193145775	167535784.4	175723645.6	173562386.5	161953517.5	151730347.6	156572266	138075825.1	150136820.3	

Dim FlightAircraf...

- Airbus
- Antonov
- ATR
- Beechcraft
- Beriev
- Boeing
- Bombardier
- British Aerospace

As shown in the screenshot above the pivot table was sliced using DimFlightAircraft and the slices are created for the aircraft models. The next step is dicing the data.

Dice

The data was diced by giving some conditions:

- MeasuresKPI Payments Goal is set to True.
- Dim FlightFlight TypeFlight Type is set to firstClass.
- Dim FlightAgencyAgency is set to Rainbow.

MeasuresKPI Payments Goal	True												
Dim FlightFlight TypeFlight Type	firstClass												
Dim FlightAgencyAgency	Rainbow												
	Column Labels												
	Sum of MeasuresFlight Price												
Row Labels	1	10	11	12	2	3	4	5	6	7	8	9	
Airbus													
Airbus-321													
Florianopolis (SC)				80504.28						81995.1			
Recife (PE)	16300543.77	20272916.42	16578668.36	19156109.59	15494107.25	16405695.57	14752174.51	15610301.58	15151539.79	15161218.99	14218563.55	14105781.7	
Airbus-330													
Florianopolis (SC)	2565265.75	4067110.23	2267011.33	2422638.07	1883739.53	2191603.32	2708550.94	3083554.04	2186909.04	1785754.25	1667391.01	2603709.7	
Airbus-340													
Brasilia (DF)	8515313.72	8216297.99	7933883.42	9007602.24	8970337.68	8049480.84	7037581.74	7925612.89	7947983.22	6441038.52	6424653.98	6285260.1	
Airbus-350													
Florianopolis (SC)	2481603.67	2664569.22	2959154.48	2423048.27	2591383	2379085.95	2377865.32	2309580.49	3676909.19	1967337.48	1502461.82	2084545.4	
Airbus-380													
Brasilia (DF)	754067.02	954886.98	822820.47	942477.36	314251.04	630318.56	938877.35	856431.36	927594.81	774021.29	564724.47	576498.5	
Antonov													
An-140													
Salvador (BH)	2231502.3	3015292.55	2848177.8	3787560.15	1979611.4	2541625.05	2335513.6	2440182.8	2714422	2200145.25	1279935.9	1710890.	
An-148													

Sheet1

The next OLAP operation is pivoting the data in the pivot table.

Pivot

The screenshot below shows what happens to the data after it is being pivoted. In this the rows and columns are exchanged.

Columns after interchanging dimensions (column names are given below) :

- DimFlightAircraftModelAircraftModel
- Dim FlightAircraft ModelAircraftModel
- Dim FlightSourceSource

Rows after interchanging the variables (column names are given below) :

- Dim DateMonthMonth

MeasuresKPI Payments Goal	All							
Dim FlightFlight TypeFlight Type	All							
Dim FlightAgencyAgency	All							
	Column Labels							
	Sum of MeasuresFlight Price							
	Airbus							Antonov
	Airbus-321			Airbus-330	Airbus-340	Airbus-350	Airbus-380	An-140
Row Labels	Florianopolis (SC)	Recife (PE)		Florianopolis (SC)	Brasilia (DF)	Florianopolis (SC)	Brasilia (DF)	Salvador (BH
1	210395.79	102126109.6		15617259.52	44383369.2	15667656.86	4313943.35	15042956.3
10		116838224.9		17873341.38	53327755.96	17556160.04	5576219.94	16953689.4
11	145416.51	104969809.2		15014886.19	46875668.78	17981576.26	4258218.7	16463721.4
12	91519.31	106873493.5		16587238.1	49579485.95	14994510.81	5019527.25	17519679.7
2		92869501.21		11580864.95	44583310.39	14524674.55	3977433.29	12637151.5
3	49483.98	99619115.18		15290514.71	44569942.26	12497824.55	3696764.87	13173236.0
4	44317.54	95142699.75		15151353.21	43611050.06	14801097.05	4811868.89	13695913.7
5		92454456.39		13191276.4	40799067.52	11683061.23	3825655.94	11992771.4
6	31350.47	80854126.48		12862275.23	40954029.09	13518500.38	3510065.98	12645769.5
7	115463.42	86225607.31		12885849.67	39839304.82	14255059.79	3250980.94	12247346.3
8	55187.88	76281638.87		9484242.11	37553838.24	11899506.82	2801411.13	10937107.
9		84611728.93		11934968.94	37421495.77	12848357.61	3320269.05	12589610.1
Grand Total	**743134.9**	**1138866511**		**167474070.4**	**523498318**	**172227986**	**48362359.33**	**165898953.**

SSRS Report

The data set is chosen from the flights_dw_test and the query used to create the dataset is shown below.

```
select da.manufacturerName, dc.AlternateCustomerCode, da.aircraftModel,
da.aircraftSubModel, da.aircraftWeight, da.takeoff_speed, dc.Company, dc.Name, dc.Gender, dc.age,
dc.Customer_address, dc.contactNumber, dd.Date, dd.Month,dd.MonthName, dd.Year, df.source, df.destination,
df.flightType, df.agency, df.distance,
df.time,dh.name,dh.place,fj.flightPrice,fj.HotelDays,fj.HotelPriceTotal
from FactFlightJourney fj
        inner join DimFlight df on fj.flightKey= df.TravelSK
        inner join DimAircraft da on df.aircraftKey = da.AircraftSK
        inner join DimHotel dh on fj.HotelKey = dh.HotelSK
        inner join DimCustomer dc on dh.userKey = dc.CustomerSK
        inner join DimDate dd on fj.flightJourneyDateKey = dd.DateKey
```

After the query was executed the following output was being displayed :

manufacturerN...	AlternateCusto...	aircraftModel	aircraftSubModel	aircraftWeight	takeoff_speed	Company	Name	Gender	age	Customer_addr...	contactNumber	Date	Mor
Zachary Cordin...	992	Bombardier	Learjet 60	71774	168	Acme Factory	Claudia Liang	female	27	528 Scott Aven...	469-870-6773	3/7/2021 12:00:...	3
Zachary Cordin...	992	Bombardier	Learjet 60	71774	168	Acme Factory	Claudia Liang	female	27	528 Scott Aven...	469-870-6773	3/7/2021 12:00:...	3
Zachary Cordin...	992	Bombardier	Learjet 60	71774	168	Acme Factory	Claudia Liang	female	27	528 Scott Aven...	469-870-6773	3/7/2021 12:00:...	3
Zachary Cordin...	992	Bombardier	Learjet 60	71774	168	Acme Factory	Claudia Liang	female	27	528 Scott Aven...	469-870-6773	3/7/2021 12:00:...	3
Goldia Singyard	992	Embraer	ERJ 140	65264	146	Acme Factory	Claudia Liang	female	27	528 Scott Aven...	469-870-6773	9/23/2021 12:0...	9
Goldia Singyard	992	Embraer	ERJ 140	65264	146	Acme Factory	Claudia Liang	female	27	528 Scott Aven...	469-870-6773	9/23/2021 12:0...	9
Goldia Singyard	264	Embraer	ERJ 140	65264	146	4You	Prince Webster	male	40	759 7th Circle	919-902-6596	9/23/2021 12:0...	9
Goldia Singyard	992	Embraer	ERJ 140	65264	146	Acme Factory	Claudia Liang	female	27	528 Scott Aven...	469-870-6773	9/23/2021 12:0...	9
Goldia Singyard	992	Embraer	ERJ 140	65264	146	Acme Factory	Claudia Liang	female	27	528 Scott Aven...	469-870-6773	9/23/2021 12:0...	9
Goldia Singyard	264	Embraer	ERJ 140	65264	146	4You	Prince Webster	male	40	759 7th Circle	919-902-6596	9/23/2021 12:0...	9
Goldia Singyard	992	Embraer	ERJ 140	65264	146	Acme Factory	Claudia Liang	female	27	528 Scott Aven...	469-870-6773	9/23/2021 12:0...	9
Goldia Singyard	992	Embraer	ERJ 140	65264	146	Acme Factory	Claudia Liang	female	27	528 Scott Aven...	469-870-6773	9/23/2021 12:0...	9
Goldia Singyard	264	Embraer	ERJ 140	65264	146	4You	Prince Webster	male	40	759 7th Circle	919-902-6596	9/23/2021 12:0...	9
Goldia Singyard	992	Embraer	ERJ 140	65264	146	Acme Factory	Claudia Liang	female	27	528 Scott Aven...	469-870-6773	9/23/2021 12:0...	9
Goldia Singyard	992	Embraer	ERJ 140	65264	146	Acme Factory	Claudia Liang	female	27	528 Scott Aven...	469-870-6773	9/23/2021 12:0...	9
Goldia Singyard	264	Embraer	ERJ 140	65264	146	4You	Prince Webster	male	40	759 7th Circle	919-902-6596	9/23/2021 12:0...	9
Goldia Singyard	992	Embraer	ERJ 140	65264	146	Acme Factory	Claudia Liang	female	27	528 Scott Aven...	469-870-6773	9/23/2021 12:0...	9
Goldia Singyard	992	Embraer	ERJ 140	65264	146	Acme Factory	Claudia Liang	female	27	528 Scott Aven...	469-870-6773	9/23/2021 12:0...	9
Goldia Singyard	264	Embraer	ERJ 140	65264	146	4You	Prince Webster	male	40	759 7th Circle	919-902-6596	9/23/2021 12:0...	9
Goldia Singyard	100	Embraer	ERJ 140	65264	146	4You	Carla Puskar	female	36	30610 Mosinee...	786-382-5499	9/23/2021 12:0...	9
Goldia Singyard	992	Embraer	ERJ 140	65264	146	Acme Factory	Claudia Liang	female	27	528 Scott Aven...	469-870-6773	9/23/2021 12:0...	9
Goldia Singyard	264	Embraer	ERJ 140	65264	146	4You	Prince Webster	male	40	759 7th Circle	919-902-6596	9/23/2021 12:0...	9
Goldia Singyard	100	Embraer	ERJ 140	65264	146	4You	Carla Puskar	female	36	30610 Mosinee...	786-382-5499	9/23/2021 12:0...	9
Goldia Singyard	992	Embraer	ERJ 140	65264	146	Acme Factory	Claudia Liang	female	27	528 Scott Aven...	469-870-6773	9/23/2021 12:0...	9