

Workshop – 09/17/2021

Created a new user in sql server and connected that user to the server

Connect to Server

SQL Server

Server type: Database Engine

Server name: LAPTOP-ESM... (redacted)

Authentication: SQL Server Authentication

Login: dam... (redacted)

Password: *****

☒ Remember password

Connect Cancel Help Options >>

Created a new user with dba role in MySQL and made a successful connection through it

localhost
Users and Privileges

User Accounts

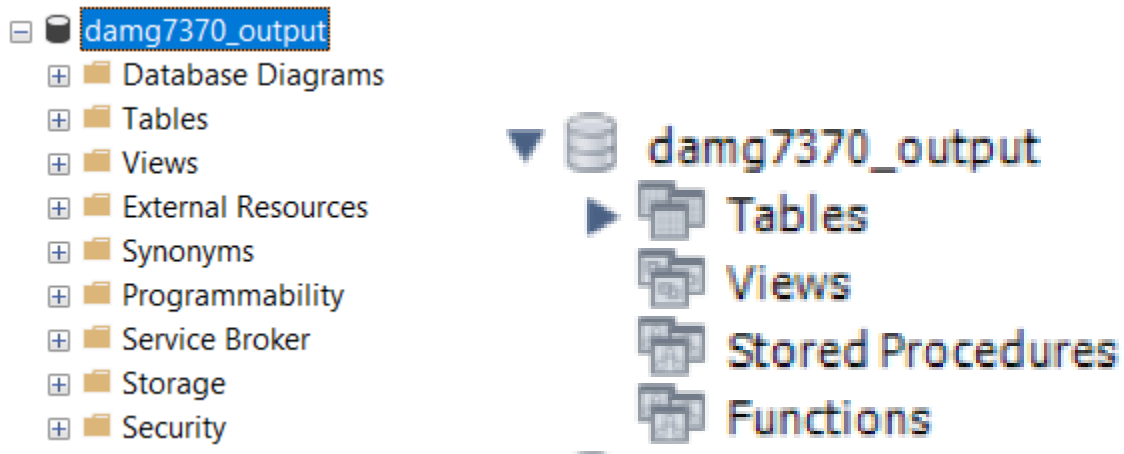
User	From Host
dam...@%	%
mysql.infocenter	localhost
mysql.session	localhost
mysql.sys	localhost
root	localhost

Details for account dam...@%

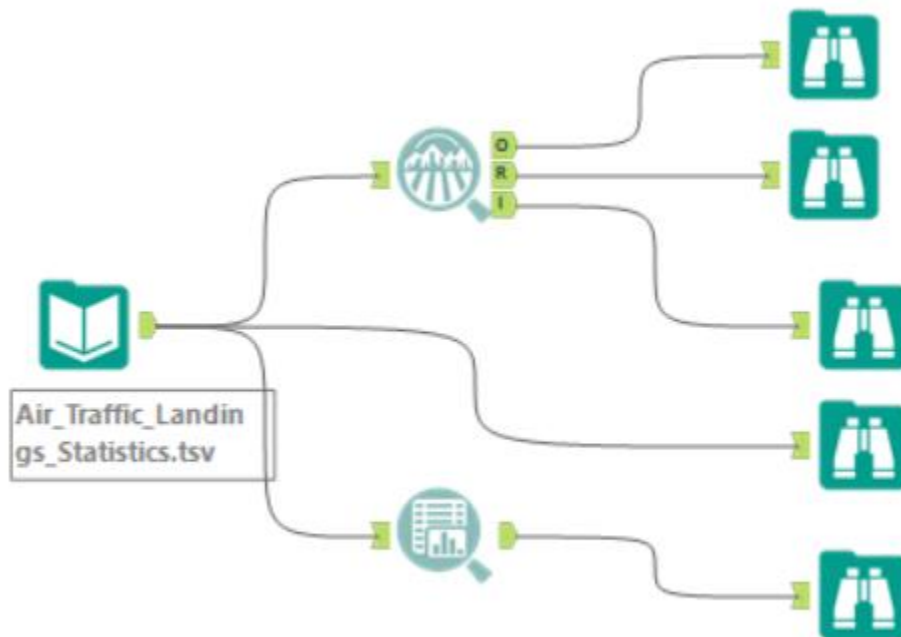
Login Account Limits Administrative Roles Schema Privileges

Role	Description
<input checked="" type="checkbox"/> DBA	grants the rights to perform all tasks
<input checked="" type="checkbox"/> MaintenanceAdmin	grants rights needed to maintain server
<input checked="" type="checkbox"/> ProcessAdmin	rights needed to assess, monitor, and kill any user process
<input checked="" type="checkbox"/> UserAdmin	grants rights to create users logins and reset passwords
<input checked="" type="checkbox"/> SecurityAdmin	rights to manage logins and grant and revoke server authentication
<input checked="" type="checkbox"/> MonitorAdmin	minimum set of rights needed to monitor server
<input checked="" type="checkbox"/> DBManager	grants full rights on all databases
<input checked="" type="checkbox"/> DBDesigner	rights to create and reverse engineer any database schema
<input checked="" type="checkbox"/> ReplicationAdmin	rights needed to setup and manage replication
<input checked="" type="checkbox"/> BackupAdmin	minimal rights needed to backup any database
<input checked="" type="checkbox"/> Custom	custom role

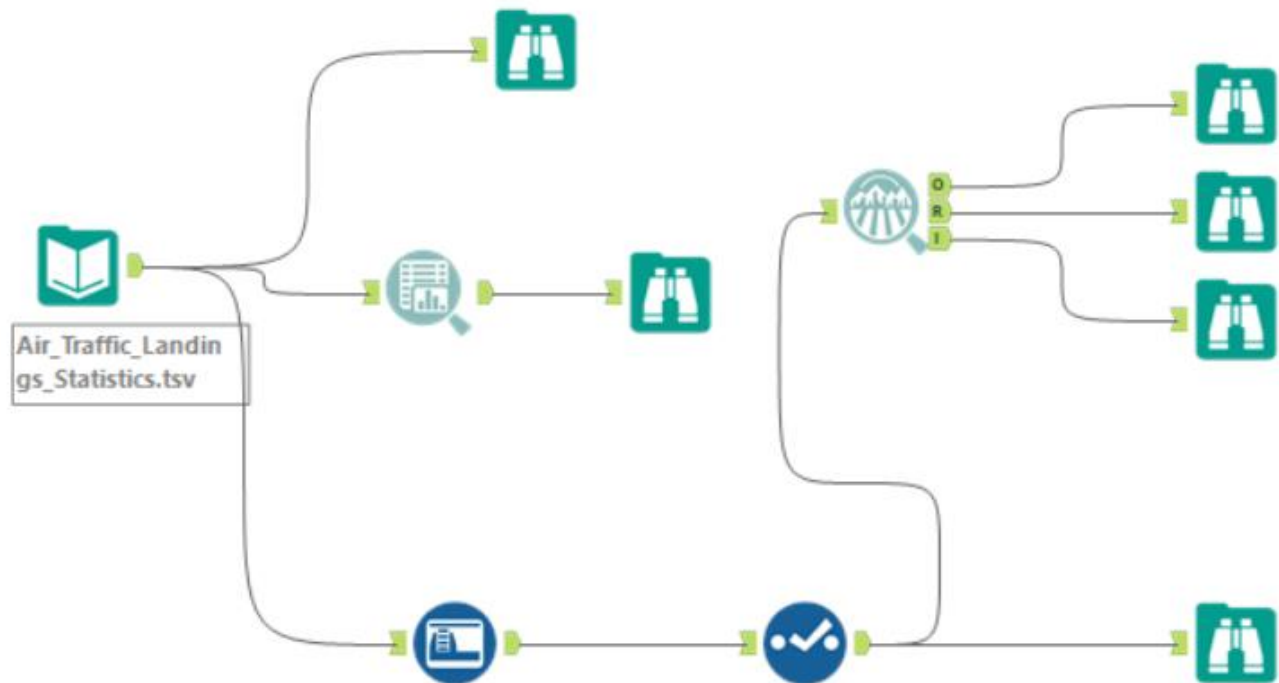
- Created damg7370_output schema in MySQL and SQL server to store results from alteryx



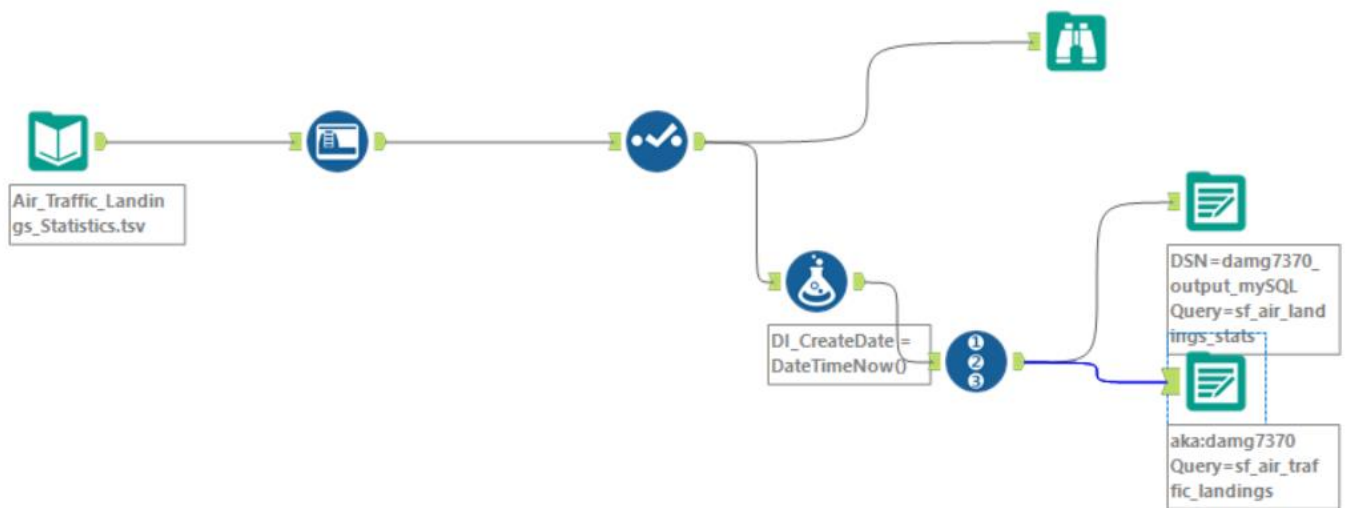
Imported a tsv file in alteryx and summarised, visualised and processed the data in alteryx



Modified the data in tsv file and added new columns using alteryx design



Connected the data processing unit to MySQL and SQL server and stored the processed the data in respective servers



Data in MySQL server after processed in alteryx

The screenshot shows the MySQL Workbench interface. On the left, the 'SCHEMAS' pane displays a tree view with 'damg7370_output' expanded, showing 'sf_air_landings_stats'. Below this, the 'Table: sf_air_landings_stats' is detailed with columns: Activity_period (int), Operating Airline (varchar), and Aircraft Model (varchar). The main pane shows a SQL query: `SELECT * FROM damg7370_output.sf_air_landings_stats;`. The 'Result Grid' displays 16 rows of data. The right sidebar contains tools like 'Result Grid', 'Form Editor', 'Field Types', 'Query Stats', and 'Execution Plan'.

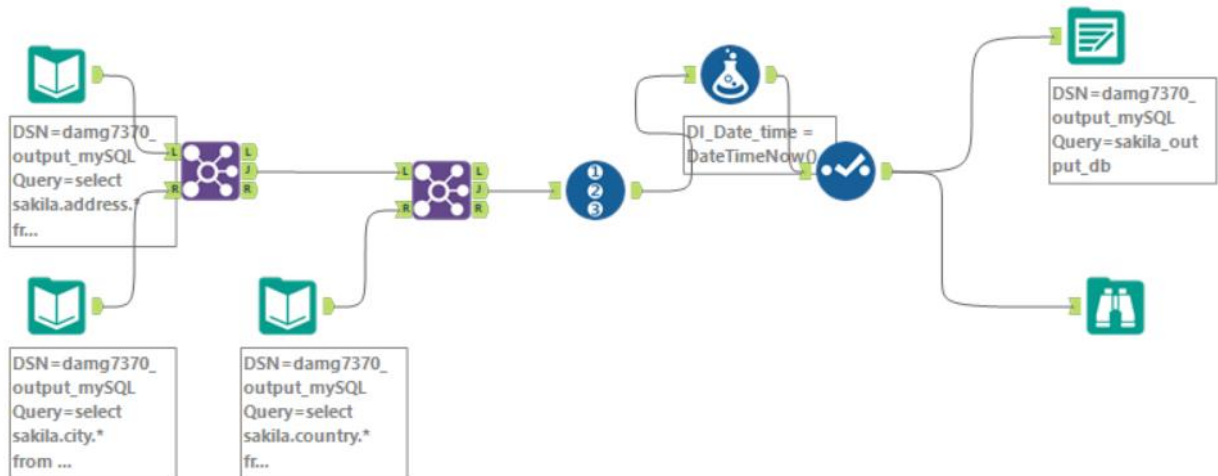
LandingID	Activity_period	Operating Airline	Operating Airline IATA Code	Published Airline	Published Airline IATA Code	GEO Summary	GEO Region	Landing Aircraft Type	Aircraft Body Type	Aircraft Manufacturer	Aircraft Model
1	200507	ABX Air	GB	ABX Air	GB	Domestic	US	Freighter	Narrow Body	McDonnell Douglas	DC-9
2	200507	ABX Air	GB	ABX Air	GB	Domestic	US	Freighter	Narrow Body	McDonnell Douglas	DC-9
3	200507	ATA Airlines	TZ	ATA Airlines	TZ	Domestic	US	Passenger	Narrow Body	Boeing	757
4	200507	ATA Airlines	TZ	ATA Airlines	TZ	Domestic	US	Passenger	Narrow Body	Boeing	757
5	200507	Air Canada	AC	Air Canada	AC	International	Canada	Passenger	Wide Body	Boeing	767
6	200507	Air Canada	AC	Air Canada	AC	International	Canada	Passenger	Narrow Body	Airbus	A319
7	200507	Air Canada	AC	Air Canada	AC	International	Canada	Passenger	Narrow Body	Airbus	A320
8	200507	Air Canada	AC	Air Canada	AC	International	Canada	Passenger	Narrow Body	Airbus	A321
9	200507	Air China	CA	Air China	CA	International	Asia	Passenger	Wide Body	Boeing	747
10	200507	Air France	AF	Air France	AF	International	Europe	Passenger	Wide Body	Boeing	747
11	200507	Air New Zealand	NZ	Air New Zealand	NZ	International	Australia / ...	Passenger	Wide Body	Boeing	747
12	200507	AirTran Airways	FL	AirTran Airways	FL	Domestic	US	Passenger	Narrow Body	Boeing	737
13	200507	Alaska Airlines	AS	Alaska Airlines	AS	Domestic	US	Passenger	Narrow Body	Boeing	737
14	200507	Alaska Airlines	AS	Alaska Airlines	AS	International	Canada	Passenger	Narrow Body	Boeing	737
15	200507	Alaska Airlines	AS	Alaska Airlines	AS	International	Mexico	Passenger	Narrow Body	Boeing	737
16	200507	Alaska Airlines	AS	Alaska Airlines	AS	Domestic	US	Passenger	Narrow Body	Boeing	737

Data in SQL server after processed in alteryx

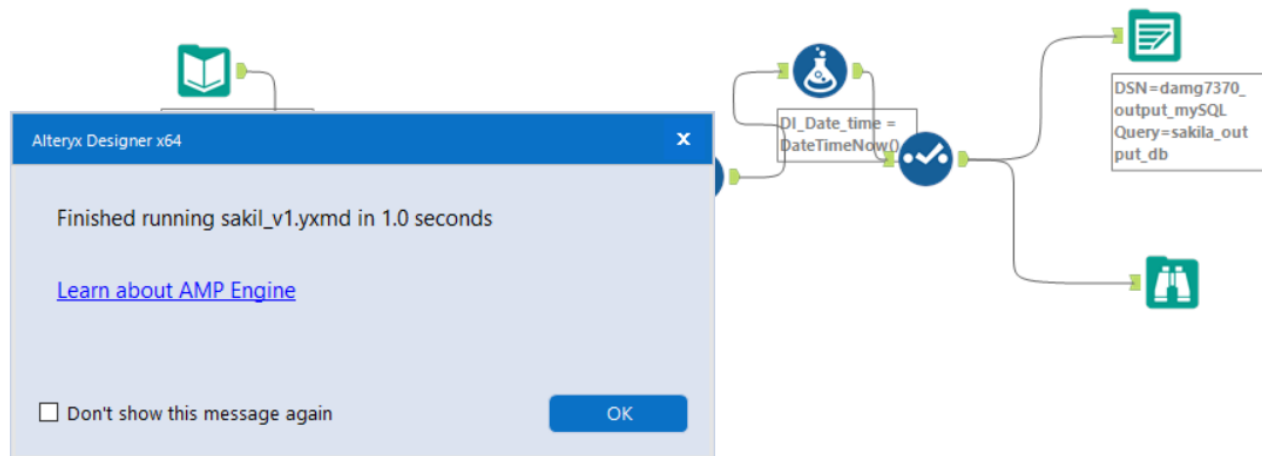
The screenshot shows the SQL Server Enterprise Manager interface. On the left, the 'Object Explorer' pane displays a tree view with 'damg7370_output' expanded, showing 'sf_air_landings_stats'. The main pane shows a SQL query: `SELECT TOP (1000) [LandingID], [Activity_period], [Operating Airline], [Operating Airline IATA Code], [Published Airline], [Published Airline IATA Code], [GEO Summary], [GEO Region], [Landing Aircraft Type], [Aircraft Body Type], [Aircraft Manufacturer], [Aircraft Model], [Aircraft Version], [Landing Count], [Total Landed Weight], [DI CreateDate]`. The 'Results' pane displays 10 rows of data. The right sidebar contains tools like 'Results', 'Messages', 'Query Editor', 'Field Types', 'Query Stats', and 'Execution Plan'.

LandingID	Activity_period	Operating Airline	Operating Airline IATA Code	Published Airline	Published Airline IATA Code	GEO Summary	GEO Region	Landing Aircraft Type	Aircraft Body Type	Aircraft Manufacturer	Aircraft Model	Aircraft Ve
1	200507	ABX Air	GB	ABX Air	GB	Domestic	US	Freighter	Narrow Body	McDonnell Douglas	DC-9	30
2	200507	ABX Air	GB	ABX Air	GB	Domestic	US	Freighter	Narrow Body	McDonnell Douglas	DC-9	41
3	200507	ATA Airlines	TZ	ATA Airlines	TZ	Domestic	US	Passenger	Narrow Body	Boeing	757	200
4	200507	ATA Airlines	TZ	ATA Airlines	TZ	Domestic	US	Passenger	Narrow Body	Boeing	757	300
5	200507	Air Canada	AC	Air Canada	AC	International	Canada	Passenger	Wide Body	Boeing	767	333
6	200507	Air Canada	AC	Air Canada	AC	International	Canada	Passenger	Narrow Body	Airbus	A319	114
7	200507	Air Canada	AC	Air Canada	AC	International	Canada	Passenger	Narrow Body	Airbus	A320	211
8	200507	Air Canada	AC	Air Canada	AC	International	Canada	Passenger	Narrow Body	Airbus	A321	211
9	200507	Air China	CA	Air China	CA	International	Asia	Passenger	Wide Body	Boeing	747	400
10	200507	Air France	AF	Air France	AF	International	Europe	Passenger	Wide Body	Boeing	747	400

Connected Sakila database from MySQL as input, implemented multiple joins, and stored the result in another MySQL table using alteryx. The design diagram is as follows



Successfully running the design



Queried the database in MySQL as follows

The screenshot shows the MySQL Workbench interface. The 'Navigator' pane on the left displays the database schema, including 'sakila_output_db'. The 'Result Grid' pane shows the query results for the query: `SELECT * FROM damg7370_output.sakila_output_db;`. The results are displayed in a table with 16 rows and 12 columns.

GeoID	address_id	address	address2	district	city_id	postal_code	phone	Address_last_update	city	country_id	City_last_update	country	Country_last_update
1	222	1168 Najafabad Parkway		Kabul	251	40301	886649065861	2006-02-15 04:45:30	Kabul	1	2006-02-15 04:45:25	Afghanistan	2006-02-15 04:45:25
2	446	1924 Shimonoseki Drive		Batna	59	52625	406784385440	2006-02-15 04:45:30	Batna	2	2006-02-15 04:45:25	Algeria	2006-02-15 04:45:25
3	73	1031 Daugavpils Parkway		Bchar	63	59025	107137400143	2006-02-15 04:45:30	Bchar	2	2006-02-15 04:45:25	Algeria	2006-02-15 04:45:25
4	180	757 Rustenburg Avenue		Skikda	483	89668	506134035434	2006-02-15 04:45:30	Skikda	2	2006-02-15 04:45:25	Algeria	2006-02-15 04:45:25
5	325	1892 Naberezhnye Teln Lane		Tutuila	516	28396	478229987054	2006-02-15 04:45:30	Tafuna	3	2006-02-15 04:45:25	American Samoa	2006-02-15 04:45:25
6	534	486 Ondo Parkway		Benguela	67	35202	105882218332	2006-02-15 04:45:30	Benguela	4	2006-02-15 04:45:25	Angola	2006-02-15 04:45:25
7	388	368 Hunuco Boulevard		Namibe	360	17165	106439158941	2006-02-15 04:45:30	Namibe	4	2006-02-15 04:45:25	Angola	2006-02-15 04:45:25
8	386	1368 Maracabo Boulevard			493	32716	934352415130	2006-02-15 04:45:30	South Hill	5	2006-02-15 04:45:25	Anguilla	2006-02-15 04:45:25
9	364	1623 Kingstown Drive		Buenos Aires	20	91299	296394569728	2006-02-15 04:45:30	Almirante Brown	6	2006-02-15 04:45:25	Argentina	2006-02-15 04:45:25
10	566	1229 Varanasi (Benares) Manor		Buenos Aires	43	40195	817740355461	2006-02-15 04:45:30	Avellaneda	6	2006-02-15 04:45:25	Argentina	2006-02-15 04:45:25
11	327	1427 A Corua (La Corua) Place		Buenos Aires	45	85799	972574862516	2006-02-15 04:45:30	Baha Blanca	6	2006-02-15 04:45:25	Argentina	2006-02-15 04:45:25
12	28	96 Tafuna Way		Crdoaba	128	99865	934730187245	2006-02-15 04:45:30	Crdoaba	6	2006-02-15 04:45:25	Argentina	2006-02-15 04:45:25
13	450	203 Tambaram Street		Buenos Aires	161	73942	411549550611	2006-02-15 04:45:30	Escobar	6	2006-02-15 04:45:25	Argentina	2006-02-15 04:45:25
14	536	166 Jinchang Street		Buenos Aires	165	86760	717566026669	2006-02-15 04:45:30	Ezeiza	6	2006-02-15 04:45:25	Argentina	2006-02-15 04:45:25
15	93	1926 El Alto Avenue		Buenos Aires	289	75543	846225459260	2006-02-15 04:45:30	La Plata	6	2006-02-15 04:45:25	Argentina	2006-02-15 04:45:25
16	111	1532 Dzerzhsk Wav		Buenos Aires	334	9599	330838016880	2006-02-15 04:45:30	Merlo	6	2006-02-15 04:45:25	Argentina	2006-02-15 04:45:25

Browsed the output in alteryx as follows:

The screenshot shows the Alteryx 'Results - Browse (12) - Input' window. The table displays the same data as the MySQL query result, with 15 of 15 fields visible. The columns are: Record, GeoID, address_id, address, address2, district, city_id, postal_code, phone, and Address. The data is presented in a grid format with alternating row colors.

Record	GeoID	address_id	address	address2	district	city_id	postal_code	phone	Address
1	1	222	1168 Najafabad Parkway		Kabul	251	40301	886649065861	2006-02-15
2	2	446	1924 Shimonoseki Drive		Batna	59	52625	406784385440	2006-02-15
3	3	73	1031 Daugavpils Parkway		Bchar	63	59025	107137400143	2006-02-15
4	4	180	757 Rustenburg Avenue		Skikda	483	89668	506134035434	2006-02-15
5	5	325	1892 Naberezhnye Teln Lane		Tutuila	516	28396	478229987054	2006-02-15
6	6	534	486 Ondo Parkway		Benguela	67	35202	105882218332	2006-02-15
7	7	388	368 Hunuco Boulevard		Namibe	360	17165	106439158941	2006-02-15
8	8	386	1368 Maracabo Boulevard			493	32716	934352415130	2006-02-15
9	9	364	1623 Kingstown Drive		Buenos Aires	20	91299	296394569728	2006-02-15
10	10	566	1229 Varanasi (Benares) Manor		Buenos Aires	43	40195	817740355461	2006-02-15
11	11	327	1427 A Corua (La Corua) Place		Buenos Aires	45	85799	972574862516	2006-02-15
12	12	28	96 Tafuna Way		Crdoaba	128	99865	934730187245	2006-02-15
13	13	450	203 Tambaram Street		Buenos Aires	161	73942	411549550611	2006-02-15
14	14	536	166 Jinchang Street		Buenos Aires	165	86760	717566026669	2006-02-15

END