Programming DB

1. Create a view that displays all flights like in the picture below:

myFlights								
DATE	FLIGHT	FROM	TO	TIME DEPARTURE	TIME ARRIVAL	DURATION	PILOT	COPILOT
2013-01-04	JK678	Amsterdam	Tenerife Sur	23:05	01:30	02:25	PEPE	PACO
2013-01-05	JK987	París	Palma de Mallorca	12:00	13:15	01:15	PEPE	TONI
2013-01-05	JK567	Barcelona	Madrid	08:40	09:40	01:00	ALLY	PEPE
2013-01-07	UX765	Verona	Barcelona	17:00	19:00	02:00	ALLY	JUAN
2013-01-08	JK838	Palma de Mallorca	Tenerife Sur	12:00	13:30	01:30	ALLY	JOHN
2013-01-08	JK435	Tenerife Norte	Bilbao	23:50	01:45	01:55	JUANA	JOHN
2013-01-09	JK789	Verona	Palma de Mallorca	12:00	14:05	02:05	XISCO	JUANA
2013-01-10	AT899	Bilbao	Madrid	12:20	13:30	01:10	PEPA	JUAN

2. Create a procedure to insert a flight that receives all fields (except number of pax) of the table as parameters. Take into account that for departure airport and arrival airport receives locations (not identifiers) and for pilot and copilot receives alias (not identifiers). If some of these four parameters are not found in tables AIRPORTS or CREWS respectively, you have to display a message (`ERROR: incorrect parameters`) and not insert the flight. Examples:

   - `CALL insert_flight (88,'UX321','Barcelona','Verona','2017-05-05 23:30','2017-05-06 01:40','ALLY','JOHN')` is CORRECT

   - `CALL insert_flight (89,'UX321','GGGG','Verona','2017-05-05 23:30','2017-05-06 01:40','ALLY','JOHN')` is INCORRECT

3. Write a procedure that displays a list of all flights departing from the location that receives as a parameter. Example: `call flightsFrom('Bilbao')`

```
From Bilbao:
-----> on 2013-01-02 flight nr. JK111 to TFN at 10:00
-----> on 2013-01-03 flight nr. JK222 to LIS at 09:10
-----> on 2013-01-10 flight nr. AT899 to MAD at 12:20
```

4. Create what you need, to control that the number of passengers in a flight can never be lesser than 0 or greater than 300.

5. Add a field to the AIRPORTS table: **nr_flights int default 0**. This new field must have the number of flights departing from this airport.

   a) Update this field with the correct number at the current time.

   b) Create the triggers you need to keep this field updated, every time a flight is inserted, deleted or updated.