Database Overview

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Author: Marcellus Ruben Winastwan

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Database: fly

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Notes:
1.Column and table descriptions are estimates based on examination of the tables, not descriptions from the data sources.
2.Column descriptions of PK, FK, and references are descriptions of assumed relationships between tables, not database constraints.

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Tables:

airlines	list of airlines name and its carrier code.
airports	name of the airports and their locations.
flights	flight records from year 2014.
planes	different types of airplanes.

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Table: airlines

Columns

1 carrier	string	PK*, ID of the airlines
2 name	string	the airlines' name

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Table: airports

Columns

1	faa	char(3)	PK*, ID of the airports
2	name	string	airports name
3	lat	double	lattitude of the airports
4	lon	double	longitude of the airports
5	alt	smallint	
6	tz	tinyint	

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Table: flights

Columns

1	year	smallint	year record flights
2	month	tinyint	month record flights
3	day	tinyint	day record flights
4	dep_time	smallint	departure time of the flights
5	sched_dep_time	smallint	scheduled departure time
6	dep_delay	smallint	departure delay
7	arr_time	smallint	time arrival
8	sched_arr_time	smallint	scheduled time arrival
9	arr_delay	smallint	arrival delay
10	carrier	string	FK*, references from airlines.carrier
11	flight	smallint	flight number
12	tailnum	string	FK*, references from planes.tailnum
13	origin	string	airport origin
14	dest	string	airport destination
15	air_time	smallint	flight duration
16	distance	smallint	distance covered

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Table: planes

Columns
1       tailnum                 string          PK*, tail number of the plane
2       year                    int             year manufactured
3       type                    string          plane type
4       manufacturer            string          plane manufacturer
5       model                   string          plane model
6       engines                 int             number of engines
7       seats                   int             total number of seats
8       engine                  string          plane engine


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