1) What is the code for the aircraft A310-300F?

select code from aircrafts where description = 'A310-300F'

31Y

2) What is th icao for the airline: Aigle Azur

select icao from airlines where name = 'Aigle Azur'

AAF

3) How many aircraft/airline/airport are there?

select count(aircrafts.\*)from aircrafts

select count(airlines.\*)from airlines

select count(airports.\*)from airports

343/6048/8107

4) How many airlines containing the word Aero

select count(name) from airlines where name like '%Aero%'

490

5) How many airline in Canada?

select count(id) from airlines where country\_id = (select id from countries where name like 'Canada')

select count(airlines.id) from airlines

INNER JOIN countries on countries.id = airlines.country\_id

WHERE countries.name like 'Canada'

318

6) How many airport in Brazil?

select count(id) from airports where country\_id = (select id from countries where name like 'Brazil')

select count(airports.id) from airports

INNER JOIN countries on countries.id = airports.country\_id

WHERE countries.name like 'Brazil'

213

7) How many airport under Europe/Paris timezone\_name

select count(\*) from airports where timezone\_name = 'Europe/Paris'

232

8) What's max/min/avg airport elevation

select max(elevation),min(elevation),AVG(elevation) from airports

14472/-1266/933.45

9) What's max/min/avg airport elevation in spain?

select max(elevation),min(elevation),AVG(elevation) from airports where country\_id = (select id from countries where name like 'Spain')

select max(elevation),min(elevation),AVG(elevation) from airports

INNER JOIN countries on countries.id = airports.country\_id

WHERE countries.name like 'Spain'

0/3586/832.52

10) What's max/min/avg airport elevation found in Europe/Paris timezone\_name?

select max(elevation),min(elevation),AVG(elevation) from airports where timezone\_name = 'Europe/Paris'

0/6588/632.03

11) How many routes have no destination\_airport\_id?

select count(id) from routes where destination\_airport\_id is null

242

12) How many active airlines are based in the "France"?

select count(id) from airlines

where country\_id = (select id from countries where name like 'France')

and active = 'Y'

select count(airlines.id) from airlines

INNER JOIN countries on countries.id = airlines.country\_id

where countries.name like 'France'

and active = 'Y'

22 (was 233, I remember correcting this once before.)

13) How many aircrafts operate on route 170?

select count(id) from route\_aircrafts

where route\_id = '170'

1

14) How many distinct routes are used by the aircraft whose code is SF3

select count(id) from route\_aircrafts where aircraft\_id = (select id from aircrafts where code = 'SF3')

select count(route\_aircrafts.id) from route\_aircrafts

INNER JOIN aircrafts on aircrafts.id = route\_aircrafts.aircraft\_id

where aircrafts.code = 'SF3'

479

15) What is the aircraft code for the aircraft that operates route id 230

select code from aircrafts where id =

(select aircraft\_id from route\_aircrafts where route\_id = '230')

select code from aircrafts

INNER JOIN route\_aircrafts on route\_aircrafts.aircraft\_id = aircrafts.id

where route\_aircrafts.route\_id = '230

AT7

16) How many distinct airlines have routes that originate at Madrid airport

select count(DISTINCT(airline\_id)) from routes where source\_airport\_id = (select id from airports where city = 'Madrid')

select count(DISTINCT(airline\_id)) from routes

INNER JOIN airports on airports.id = routes.source\_airport\_id

where airports.city = 'Madrid'

68

17) What is the IATA code for the destination airport for route with an id of 263?

select iata from airports where id = (select destination\_airport\_id from routes where id = 263)

select iata from airports

INNER JOIN routes on routes.destination\_airport\_id = airports.id

where routes.id = 263

ORD

18) How many active ('Y') airlines operate Airbus (name) aircrafts?

select count(DISTINCT(airlines.id)) from airlines

INNER JOIN routes on routes.airline\_id = airlines.id

INNER JOIN route\_aircrafts on route\_aircrafts.route\_id = routes.id

INNER JOIN aircrafts on aircrafts.id = route\_aircrafts.aircraft\_id

where aircrafts.name = 'Airbus'

and active = 'Y'

252

19) How many airports in a timezone name containing 'Europe' are used as a source airport (source\_airport\_id) for a route that has aircraft that have a wake of 'M' or 'L'

select count(DISTINCT(airports.id)) from airports

inner join routes on routes.source\_airport\_id = airports.id

inner join route\_aircrafts on route\_aircrafts.route\_id = routes.id

inner join aircrafts on aircrafts.id = route\_aircrafts.aircraft\_id

where timezone\_name like '%Europe%'

AND aircrafts.wake\_size in ('M','L')

566

20) How many routes are there for active ('Y') airlines based in Austria and Canada?

select count(DISTINCT(routes.id)) from routes

INNER JOIN airlines on airlines.id = routes.airline\_id

INNER JOIN countries on countries.id = airlines.country\_id

where active = 'Y'

and countries.name in ('Canada','Austria')

1994

21) how many distinct destination airports does Air Canada (airline) land at?

select count(distinct(routes.destination\_airport\_id)) from routes

join airports on airports.id = routes.source\_airport\_id

join countries on countries.id = airports.country\_id

join airlines on airlines.country\_id = countries.id

where airlines.name = 'Air Canada'

194

22) how many countries do not have airports?

select count(distinct(countries.id)) from countries

INNER JOIN airports on airports.country\_id = countries.id

where countries.id not in (SELECT DISTINCT country\_id FROM airports)

0