

1)

```
SELECT count(*) as "Numbers of flights" FROM Flights;
```

Numbers of flights
▶ 4910

2)

```
SELECT Origin as "Origin airport", avg(ArrDelay) as "Average delay of
arrival",
       avg(DepDelay) as "Average delay of exit"
FROM Flights
GROUP BY Origin;
```

	Origin airport	Average delay of arrival	Average delay of exit
▶	ABE	17.1250	15.7500
	ABQ	3.8158	6.8684
	ABY	4.5000	19.0000
	AGS	19.0000	15.3333
	ALB	-2.5556	-0.1111
	AMA	1.2500	0.0000
	ANC	1.8571	3.5000
	ASE	7.0000	10.0000
	ATL	9.7248	10.0891
	ATW	0.6667	1.6667
	AUS	1.3043	1.1739
	AVL	-7.6667	-3.3333
	AZO	14.0000	19.5000
	BDL	-5.5200	2.2400
	BET	0.5000	1.5000
	BFL	-6.0000	0.0000
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3)

```
SELECT Origin as "Origin airport", colYear as "Year", colMonth as
"Month", "retard"
FROM Flights
GROUP BY Origin, colYear, colMonth
ORDER BY Origin, colYear, colMonth;
```

	Origin airport	Year	Month	retard
▶	ABE	1988	5	retard
	ABE	1988	11	retard
	ABE	1990	1	retard
	ABE	1990	12	retard
	ABE	1991	7	retard
	ABE	1992	6	retard
	ABE	2005	1	retard
	ABE	2006	1	retard
	ABQ	1987	10	retard
	ABQ	1989	1	retard

4)

```
SELECT a.Airport as "City", f.colYear as "Year", f.colMonth as
"Month", "retard"
FROM Flights f, USAirports a
Where IATA = Origin
GROUP BY a.Airport, f.colYear, f.colMonth
ORDER BY a.Airport, f.colYear, f.colMonth
```

	City	Year	Month	retard	
►	Adams	1990	6	retard	
	Adams	1991	10	retard	
	Adams	1992	5	retard	
	Adams	1992	9	retard	
	Adams	1996	8	retard	
	Adams	1996	10	retard	
	Adams	2004	12	retard	
	Adams	2005	10	retard	
	Adams	2006	2	retard	
	Albany Cty	1988	3	retard	
	Albany Cty	1992	12	retard	

5)

```
select UniqueCarrier as "Company", count(*) as "Nº flights canceled"
from Flights
where Cancelled = 1
group by UniqueCarrier
order by 2 desc
```

	Company	Nº flights canceled	
►	DL	5	
	UA	3	
	US	2	
	AS	2	
	AA	1	
	CO	1	
	PI	1	
	TW	1	

6)

```
SELECT UniqueCarrier as "Company", sum(Distance) as "Distance"
FROM Flights
Group by UniqueCarrier
Order by 2 desc
Limit 10
```

	Company	Distance	
►	AA	593944	
	DL	476122	
	UA	458503	
	US	325107	
	WN	324726	
	NW	301864	
	CO	271814	
	TW	122946	
	HP	103320	
	AS	80021	

7)

```
SELECT UniqueCarrier as "Company", avg(DepDelay) as "Average delay of
destination"
FROM Flights
Group by UniqueCarrier
Having avg(DepDelay) > 10
Order by 2 asc
```

	Company	Average delay of destination	
►	WN	10.0159	
	HP	10.0588	
	UA	10.2647	
	MQ	11.2229	
	OH	11.8793	
	FL	11.8913	
	PI	14.4242	
	EV	15.4493	
	YV	16.2121	
	9E	19.0000	
	B6	21.0000	
	F9	32.6429	
	TZ	34.8571	