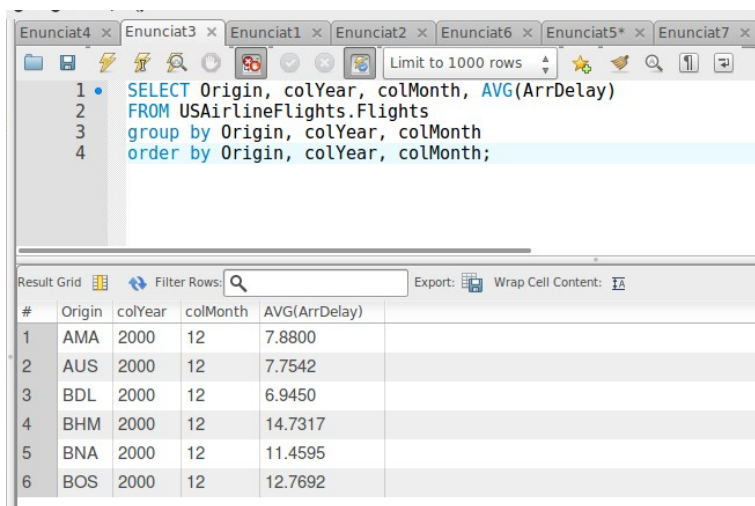


- 3-Retard promig d'arribada dels vols, per mesos i segons l'aeroport origen. A més, volen que els resultat es mostrin de la següent forma: Group by pag 1816 manual
LAX, 2000, 01, retard
LAX, 2000, 02, retard
...
LAX, 2000, 12, retard
LAX, 2001, 01, retard

```
SELECT Origin, colYear, colMonth, AVG(ArrDelay)
FROM USAirlineFlights.Flights
group by Origin, colYear, colMonth
order by Origin, colYear, colMonth;
```



The screenshot shows a SQL IDE with multiple tabs at the top labeled 'Enunciat4', 'Enunciat3', 'Enunciat1', 'Enunciat2', 'Enunciat6', 'Enunciat5*', and 'Enunciat7'. The active tab 'Enunciat4' contains the following SQL query:

```
1 • SELECT Origin, colYear, colMonth, AVG(ArrDelay)
2 FROM USAirlineFlights.Flights
3 group by Origin, colYear, colMonth
4 order by Origin, colYear, colMonth;
```

Below the query editor, the 'Result Grid' is displayed, showing the results of the query. The grid has columns: '#', 'Origin', 'colYear', 'colMonth', and 'AVG(ArrDelay)'. The results are as follows:

#	Origin	colYear	colMonth	AVG(ArrDelay)
1	AMA	2000	12	7.8800
2	AUS	2000	12	7.7542
3	BDL	2000	12	6.9450
4	BHM	2000	12	14.7317
5	BNA	2000	12	11.4595
6	BOS	2000	12	12.7692

- 4- Retard promig d'arribada dels vols, per mesos i segons l'aeroport origen (mateixa consulta que abans i amb el mateix ordre). Però a més, ara volen que en comptes del codi de l'aeroport es mostri el nom de la ciutat.

Los Angeles, 2000, 01, retard

Los Angeles, 2000, 02, retard

```
SELECT City, colYear, colMonth, AVG(ArrDelay) FROM USAirlineFlights.USAirports INNER
JOIN USAirlineFlights.Flights ON IATA = Origin Group by Origin asc, colYear asc, colMonth
asc;
```

The screenshot shows a SQL IDE with a query editor and a results grid. The query is:

```
1 SELECT City, colYear, colMonth, AVG(ArrDelay)
2 FROM USAirlineFlights.USAirports
3 INNER JOIN USAirlineFlights.Flights ON IATA = Origin
4 Group by Origin asc, colYear asc, colMonth asc;
```

The results grid shows the following data:

#	City	colYear	colMonth	AVG(ArrDelay)
1	Amarillo	2000	12	7.8800
2	Austin	2000	12	7.7542
3	Windsor Locks	2000	12	6.9450
4	Birmingham	2000	12	14.7317
5	Nashville	2000	12	11.4595
6	Boston	2000	12	12.7692

The Action Output pane shows the execution of the query:

	Time	Action	Message	Duration / Fetch
1	09:37:13	SELECT Carriers.Description, Cancelled FROM USAirlineFlights...	2 row(s) returned	0.0016 sec / 0
2	09:44:23	SELECT Origin, colYear, colMonth, AVG(ArrDelay) FROM USAirli...	6 row(s) returned	0.0030 sec / 0
3	09:47:30	SELECT City, colYear, colMonth, AVG(ArrDelay) FROM USAirli...	6 row(s) returned	0.0039 sec / 0

- 5-Les companyies amb més vols cancelats. A més, han d'estar ordenades de forma que les companyies amb més cancelacions apareguin les primeres.

```
SELECT SUM(Cancelled), Carriers.Description
FROM USAirlineFlights.Carriers
Inner join USAirlineFlights.Flights
ON CarrierCode = UniqueCarrier
WHERE Cancelled = 1
Group by CarrierCode, Cancelled
order by Cancelled;
```

The screenshot shows a SQL IDE with a query editor and a results grid. The query is:

```
1 SELECT SUM(Cancelled), Carriers.Description
2 FROM USAirlineFlights.Carriers
3 Inner join USAirlineFlights.Flights
4 ON CarrierCode = UniqueCarrier
5 WHERE Cancelled = 1
6 Group by CarrierCode, Cancelled
7 order by Cancelled;
```

The results grid shows the following data:

#	SUM(Cancelled)	Description
1	2	American Airlines Inc.

- 6-Companyies amb el seu promig només d'aquelles les quals els seus vols arriben al seu destí amb un retràs major de 10 minuts.

```
SELECT Carriers.Description, AVG(ArrDelay) as AverageDelay
FROM USAirlineFlights.Carriers
Inner join USAirlineFlights.Flights
ON CarrierCode = UniqueCarrier
Group by UniqueCarrier
Having AverageDelay > 10;
```

The screenshot shows a database query editor with the following SQL query:

```
1 • SELECT Carriers.Description, AVG(ArrDelay) as AverageDelay
2 FROM USAirlineFlights.Carriers
3 Inner join USAirlineFlights.Flights
4 ON CarrierCode = UniqueCarrier
5 Group by UniqueCarrier
6 Having AverageDelay > 10;
```

Below the query editor, the 'Result Grid' is displayed with the following data:

Description	AverageDelay
Delta Air Lines Inc.	17.0833

- 7-L'identificador dels 10 avions que més kilòmetres han recorregut fent vols comercials:

```
SELECT FlightNum, sum(distance) FROM USAirlineFlights.Flights Group by FlightNum
order by sum(distance) desc limit 10;
```

The screenshot shows a database query editor with the following SQL query:

```
1 • SELECT FlightNum, sum(distance)
2 FROM USAirlineFlights.Flights
3 Group by FlightNum
4 order by sum(distance) desc limit 10;
```

Below the query editor, the 'Result Grid' is displayed with the following data:

#	FlightNum	sum(distance)
1	491	45298
2	1713	41188
3	1991	39717
4	681	38246
5	631	24992
6	847	22065
7	705	18744
8	463	18299
9	789	18299
10	1767	17789

At the bottom of the screenshot, the 'Action Output' table is visible:

	Time	Action	Message	Duration / Fel
✓	09:54:31	SELECT Carriers.Description, Canceled FROM USAirlineFlights....	2 row(s) returned	0.0015 sec /
✓	09:56:10	SELECT FlightNum, sum(distance) FROM USAirlineFlights.Fligh...	10 row(s) returned	0.049 sec / 0