```
133     -- Identify Top 10 Carrier Names b
134     -- 4th
135 •   select   Carrier_Name,SUM(Transpor
136
137
138     -- Display top Routes ( from-to Ci
            -- 5th
```

```
139     -- 5th
140 •   select count(*) as number_of_flights,From_To
```

Result Grid | Filter Rows: | Export: | W

number_of_flights	From_To_City
95	Chicago, IL - Detroit, MI
88	Washington, DC - New York, NY
86	Washington, DC - Atlanta, GA
83	Charlotte, NC - Atlanta, GA
82	Chicago, IL - Atlanta, GA
81	Detroit, MI - Chicago, IL
78	Atlanta, GA - Houston, TX
78	New York, NY - Washington, DC
77	Minneapolis, MN - Chicago, IL
74	Atlanta, GA - Washington, DC
74	Atlanta, GA - Chicago, IL
73	Raleigh/Durham, NC - New Yor...
73	Atlanta, GA - Charlotte, NC
73	Fairbanks, AK - Anchorage, AK
72	Houston, TX - Atlanta, GA
72	Detroit, MI - New York, NY

Result Grid | Filter Rows: | E

Carrier_Name	total_passengers
Southwest Airlines Co.	34107505
Delta Air Lines Inc.	28837271
US Airways Inc.	15646967
Continental Air Lines Inc.	13123800
JetBlue Airways	7312002
AirTran Airways Corporation	7299774
SkyWest Airlines Inc.	7126582
American Airlines Inc.	5900880
American Eagle Airlines Inc.	4957403
Alaska Airlines Inc.	4883403

```
144     -- 6th
145 • ⊖ select case when
146             dayofweek(Flight_date) in (1,7) then 'weekend'
147             else 'weekday'
148             end as day_type,
```

Result Grid | Filter Rows: | Export: | Wrap Cell Content:

day_type	load_factor_percentage
weekend	76.96
weekday	76.73

```
154 •   SELECT Distance_Group_ID, COUNT(*) AS Number_of_Flights FROM  maindata GROUP BY Distance
155
```

Result Grid | Filter Rows: | Export: | Wrap Cell Content:

Distance_Group_ID	Number_of_Flights
1	58047
2	28131
3	11333
4	6092
5	2330
6	855
7	612
8	1084
9	810
10	524
11	419
12	145
13	83

SQL QUERIES


```
130  •   select Carrier_Name ,round(SUM(Transported_Passengers)
131          from maindata group by Carrier_Name order by lc
132
```

Carrier_Name	load_factor_percentage
Globespan Airways Limited d/b/a Flyglobespan	94.76
Allegiant Air	89.36
XL Airways France	88.48
Sichuan Airlines Co Ltd.	88.21
Skyservice Airlines, Inc.	88.12
Corsair	87.36
Jin Air Co Ltd.	86.40
Etihad Airways	84.95
Air Berlin PLC and CO	84.43
Jet Airways (India) Limited	83.47
Frontier Airlines Inc.	82.61
Jetstar Airways Pty Limited	81.69
United Air Lines Inc.	81.64
Continental Air Lines Inc.	81.63

```
123  •   select date_format(Flight_Date, '%Y') a
124          concat(date_format(Flight_Date,
125          ROUND(SUM(Transported_Passenger
126   from maindata group by Flight_Date.year,
```

year	month	quarter	load_factor_percentage
2008	2008-01	2008Q1	61.35
2008	2008-01	2008Q1	72.90
2008	2008-01	2008Q1	67.98
2008	2008-01	2008Q1	67.80
2008	2008-01	2008Q1	68.12
2008	2008-01	2008Q1	66.85
2008	2008-01	2008Q1	70.74
2008	2008-01	2008Q1	63.19
2008	2008-01	2008Q1	64.11
2008	2008-01	2008Q1	66.02
2008	2008-01	2008Q1	60.44
2008	2008-01	2008Q1	70.82
2008	2008-01	2008Q1	67.35
2008	2008-01	2008Q1	70.04