Airline Filght Management:

1. Write a query to display the average monthly ticket cost for each flight in ABC Airlines. The query should display the Flight_Id,From_location,To_Location,Month Name as "Month_Name" and average price as "Average_Price"

Display the records sorted in ascending order based on flight id and then by Month Name.

15 rows

select f.flight_id,f.from_location,f.to_location,monthname(fd.flight_departure_date) as Month_name,avg(fd.price) as Average_price from air_flight f join air_flight_details fd on f.flight_id=fd.flight_id group by f.flight_id,Month_name order by f.flight_id,Month_name;

FLIGHT_ID	FROM_LOCATION	TO_LOCATION	MONTH_NAME	AVERAGE_PRIC E
1011	HYDERABAD	CHENNAI	APRIL	4614.000000
1011	HYDERABAD	CHENNAI	MAY	3855.500000
1262	HYDERABAD	CHENNAI	MAY	3444.500000
1265	CHENNAI	HYDERABAD	APRIL	4086.000000
1265	CHENNAI	HYDERABAD	MAY	3303.666667
289	CHENNAI	KOCHI	MAY	3257.750000
3004	BENGALURU	CHENNAI	MAY	3319.666667

3013	CHENNAI	BENGALURU	MAY	3257.750000
3148	CHENNAI	BENGALURU	JUNE	2773.000000
3148	CHENNAI	BENGALURU	MAY	3052.000000
3241	CHENNAI	КОСНІ	MAY	3303.666667
3244	KOCHI	CHENNAI	MAY	3371.500000
3307	BENGALURU	CHENNAI	MAY	3309.000000
916	CHENNAI	HYDERABAD	APRIL	4086.000000
916	CHENNAI	HYDERABAD	MAY	3570.666667

2. Write a query to display the customer(s) who has/have booked least number of tickets in ABC Airlines. The Query should display profile_id, customer's first_name, Address and Number of tickets booked as "No_of_Tickets"

Display the records sorted in ascending order based on customer's first name.

1 row

select apf.profile_id,apf.first_name,apf.address,count(ati.ticket_id) as No_of_Tickets from air_passenger_profile apf join air_ticket_info ati on apf.profile_id=ati.profile_id group by apf.profile_id having

count(ati.ticket_id) <= all
(select count(ati.ticket_id) from air_passenger_profile apf
join air_ticket_info ati on apf.profile_id=ati.profile_id group by apf.profile_id) order by
first_name;</pre>

PROFILE_I D	FIRST_NAM E	ADDRESS	NO_OF_TICKETS
PFL008	GANESH	45 3RD ST,HYDERABAD- 24	1

3. Write a query to display the number of flight services between locations in a month. The Query should display From_Location, To_Location, Month as "Month_Name" and number of flight services as "No_of_Services".

Hint: The Number of Services can be calculated from the number of scheduled departure dates of a flight.

The records should be displayed in ascending order based on From_Location and then by To_Location and then by month name

9 rows

```
select af.from_location,af.to_location,monthname(afd.flight_departure_date) as Month_Name, count(afd.flight_departure_date) as No_of_Services from air_flight af join air_flight_details afd on af.flight_id=afd.flight_id group by af.from_location,af.to_location,month_name order by from location,to location,month name;
```

FROM_LOCATION	TO_LOCATION	MONTH_NAME	NO_OF_SERVICES

BENGALURU	CHENNAI	MAY	7
CHENNAI	BENGALURU	JUNE	1
CHENNAI	BENGALURU	MAY	6
CHENNAI	HYDERABAD	APRIL	2
CHENNAI	HYDERABAD	MAY	6
CHENNAI	КОСНІ	MAY	7
HYDERABAD	CHENNAI	APRIL	1
HYDERABAD	CHENNAI	MAY	4
KOCHI	CHENNAI	MAY	2

4. Write a query to display the customer(s) who has/have booked maximum number of tickets in ABC Airlines. The Query should display profile_id, customer's first_name, Address and Number of tickets booked as "No_of_Tickets"

Display the records in ascending order based on customer's first name.

1 row

select app.profile_id,app.first_name,app.address,count(ati.ticket_id) as No_of_Tickets from air_passenger_profile app

join air_ticket_info ati on app.profile_id=ati.profile_id join air_flight af on ati.flight_id=af.flight_id where af.airline_name= 'ABC Airlines' group by app.profile_id having count(ati.ticket_id) >= all (select count(ati.ticket_id) from air_passenger_profile app join air_ticket_info ati on app.profile_id=ati.profile_id join air_flight af on ati.flight_id=af.flight_id where af.airline_name= 'ABC Airlines' group by app.profile_id) order by app.first_name;

PROFILE_I	FIRST_NAM E	ADDRESS	NO_OF_TICKETS
PFL009	RAM	119 2ND CROSS ST,ERNAKULAM-12	8

5. Write a query to display the number of tickets booked from Chennai to Hyderabad. The Query should display passenger profile_id,first_name,last_name, Flight_Id, Departure_Date and number of tickets booked as "No_of_Tickets".

Display the records sorted in ascending order based on profile id and then by flight id and then by departure date.

3 rows

select
ati.profile_id,app.first_name,app.last_name,ati.flight_id,ati.flight_departure_date,count(ati.ticket_id)
as No_of_Tickets from air_ticket_info ati join air_passenger_profile app on ati.profile_id=
app.profile_id join air_flight af on ati.flight_id=af.flight_id
where af.from_location='chennai' and af.to_location='hyderabad' group by ati.profile_id,
ati.flight_id,ati.flight_departure_date order by
ati.profile_id,
ati.flight_id,ati.flight_departure_date;

PROFILE_ID	FIRST_NAME	LAST_NAME	FLIGHT_ID	FLIGHT_DEPARTURE_DATE	NO_OF_TICKETS
PFL001	LATHA	SANKAR	1265	2013-04-29	1
PFL004	AARTHI	RAMESH	1265	2013-05-29	1
PFL005	SIVA	KUMAR	916	2013-05-06	2

6. Write a query to display flight id, from location, to location and ticket price of flights whose departure is in the month of april.

3 rows

Display the records sorted in ascending order based on flight id and then by from location.

```
select af.flight_id,af.from_location,af.to_location,afd.price from air_flight
af
join air_flight_details afd on af.flight_id=afd.flight_id
where monthname(afd.flight_departure_date)='april' order by
flight_id,from_location;
```

FLIGHT_ID	FROM_LOCATION	TO_LOCATION	PRICE
1011	HYDERABAD	CHENNAI	4614.00
1265	CHENNAI	HYDERABAD	4086.00
916	CHENNAI	HYDERABAD	4086.00

7. Write a query to display the average cost of the tickets in each flight on all scheduled dates. The query should display flight_id, from_location, to_location and Average price as "Price".

Display the records sorted in ascending order based on flight id and then by from_location and then by to_location.

11 rows

select af.flight_id,af.from_location,af.to_location,avg(afd.price)

from air_flight af join air_flight_details afd

on af.flight_id=afd.flight_id group by af.flight_id,af.from_location,af.to_location

order by af.flight_id,af.from_location,af.to_location;

FLIGHT_ID	FROM_LOCATION	TO_LOCATION	PRICE
1011	HYDERABAD	CHENNAI	4108.333333
1262	HYDERABAD	CHENNAI	3444.500000
1265	CHENNAI	HYDERABAD	3499.250000
289	CHENNAI	КОСНІ	3257.750000
3004	BENGALURU	CHENNAI	3319.666667
3013	CHENNAI	BENGALURU	3257.750000
3148	CHENNAI	BENGALURU	2959.000000
3241	CHENNAI	KOCHI	3303.666667
3244	KOCHI	CHENNAI	3371.500000
3307	BENGALURU	CHENNAI	3309.000000

916	CHENNAI	HYDERABAD	3699.500000

8. Write a query to display the customers who have booked tickets from Chennai to Hyderabad. The query should display profile_id, customer_name (combine first_name & last_name with comma in b/w), address of the customer.

Give an alias to the name as customer_name.

Hint: Query should fetch unique customers irrespective of multiple tickets booked.

Display the records sorted in ascending order based on profile id.

3 rows

select app.profile_id, concat(app.first_name,',',app.last_name) as customer_name,app.address from air_passenger_profile app join air_ticket_info ati on app.profile_id=ati.profile_id join air_flight af on ati.flight_id=af.flight_id where af.from_location='chennai' and af.to_location='hyderabad' group by app.profile_id order by app.profile_id;

ROFILE_ID	CUSTOMER_NAME	ADDRESS
PFL001	LATHA,SANKAR	123 BROAD CROSS ST,CHENNAI-48
PFL004	AARTHI,RAMESH	343 6TH STREET,HYDERABAD- 76
PFL005	SIVA,KUMAR	125 8TH STREET,CHENNAI-46

9. Write a query to display profile id of the passenger(s) who has/have booked maximum number of tickets.

In case of multiple records, display the records sorted in ascending order based on profile id.

2 rows

select profile_id from air_ticket_info group by profile_id having
count(ticket_id) >= all (select count(ticket_id)

from air ticket info group by profile id) order by profile id;

PROFILE_ID
PFL002
PFL007

10. Write a query to display the total number of tickets as "No_of_Tickets" booked in each flight in ABC Airlines. The Query should display the flight_id, from_location, to_location and the number of tickets.

Display only the flights in which atleast 1 ticket is booked.

Display the records sorted in ascending order based on flight id.

7 rows

```
select af.flight_id,af.from_location,af.to_location,count(ati.ticket_id) as
No_of_Tickets
from air_flight af join air_ticket_info ati on af.flight_id=ati.flight_id
group by af.flight id having count(ati.ticket id) >= 1;
```

IGHT_ID	FROM_LOCATION	TO_LOCATION	NO_OF_TICKETS
1011	HYDERABAD	CHENNAI	4
1262	HYDERABAD	CHENNAI	1

1265	CHENNAI	HYDERABAD	2
3004	BENGALURU	CHENNAI	3
3148	CHENNAI	BENGALURU	7
3244	КОСНІ	CHENNAI	7
916	CHENNAI	HYDERABAD	2

11. Write a query to display the no of services offered by each flight and the total price of the services. The Query should display flight_id, number of services as "No_of_Services" and the cost as "Total_Price" in the same order.

Order the result by Total Price in descending order and then by flight_id in descending order.

Hint:The number of services can be calculated from the number of scheduled departure dates of the flight

11 rows

select af.flight_id, count(afd.flight_departure_date) as No_of_Services, sum(afd.price) as Total_Price from air_flight af join air_flight_details afd on af.flight_id=afd.flight_id group by flight_id order by total_price desc,flight_id desc;

FLIGHT_ID	NO_OF_SERVICES	TOTAL_PRIC E
916	4	14798.00

1265	4	13997.00
3307	4	13236.00
3013	4	13031.00
289	4	13031.00
1011	3	12325.00
3004	3	9959.00
3241	3	9911.00
3148	3	8877.00
1262	2	6889.00
3244	2	6743.00

12. Write a query to display the number of passengers who have travelled in each flight in each scheduled date. The Query should display flight_id, flight_departure_date and the number of passengers as "No_of_Passengers" in the same order.

Display the records sorted in ascending order based on flight id and then by flight departure date.

<mark>9 rows</mark>

SELECT flight_id,

flight_departure_date,

COUNT(ticket_id) AS No_of_Passengers

FROM air_ticket_info

GROUP BY flight_id,

flight_departure_date

ORDER BY flight_id, flight_departure_date;t

FLIGHT_ID	FLIGHT_DEPARTURE_DAT E	NO_OF_PASSENGER S
1011	2013-05-09	4
1262	2013-05-20	1
1265	2013-04-29	1
1265	2013-05-29	1
3004	2013-05-02	3
3148	2013-05-21	2
3148	2013-06-01	5
3244	2013-05-03	7
916	2013-05-06	2

13. Write a query to display profile id of passenger(s) who booked minimum number of tickets.

In case of multiple records, display the records sorted in ascending order based on profile id.

1 row

select profile_id from air_ticket_info group by profile_id having count(profile_id) <= all (select count(profile_id) from air_ticket_info group by profile_id) order by profile_id;

PROFILE_ID	
PFL008	

14. Write a query to display unique passenger profile id, first name, mobile number and email address of passengers who booked ticket to travel from HYDERABAD to CHENNAI.

Display the records sorted in ascending order based on profile id.

4 rows

select distinct ati.profile_id,app.first_name,app.mobile_number,app.email_id
from air_ticket_info
ati join air_passenger_profile app on ati.profile_id=app.profile_id join air_flight af
on ati.flight_id=af.flight_id
where af.from_location='hyderabad' and af.to_location='chennai' order by profile_id;

PROFILE_ID	FIRST_NAME	MOBILE_NUMBER	EMAIL_ID
PFL001	LATHA	9876543210	LATHA@GMAIL.COM
PFL004	AARTHI	9595652530	AARTHI@GMAIL.COM
PFL005	SIVA	9884416986	SIVA@GMAIL.COM

PFL008	GANESH	9375237890	GANESH@GMAIL.COM

15. Write a query to intimate the passengers who are boarding Chennai to Hyderabad Flight on 6th May 2013 stating the delay of 1hr in the departure time. The Query should display the passenger's profile_id, first_name,last_name, flight_id, flight_departure_date, actual departure time, actual arrival time, delayed departure time as "Delayed_Departure_Time", delayed arrival time as "Delayed_Arrival_Time" Hint: Distinct Profile ID should be displayed irrespective of multiple tickets booked by the same profile.

Display the records sorted in ascending order based on passenger's profile id.

1 row

select distinct app.profile_id,app.first_name,app.last_name,ati.flight_id,ati.flight_departure_date, af.departure_time,af.arrival_time, af.departure_time,ADDTIME(af.departure_time,'1:00:00') as Delayed_Departure_Time,

ADDTIME(af.arrival_time,'1:00:00') as Delayed_Arrival_Time from air_passenger_profile app join air_ticket_info ati on app.profile_id=ati.profile_id join air_flight af on ati.flight_id=af.flight_id where ati.flight_departure_date='2013-05-06' order by app.profile_id;

PROFILE_	FIRST	LAST_NAM E	FLIGHT	FLIGHT_	DEPARTURE_TIME	ARRIVAL
ID	_NAME		_ID	DEPARTURE		_TIME
				_DATE		
PFL005	SIVA	KUMAR	916	2013-05-06	19:55:00	21:00:00

DELAYED_DEPARTURE_TIME	DELAYED_ARRIVAL_TIME

20:55:00	22:00:00

16. Write a query to display the number of tickets as "No_of_Tickets" booked by Kochi Customers. The Query should display the Profile Id, First Name, Base Location and number of tickets booked.

Hint: Use String functions to get the base location of customer from their Address and give alias name as "Base Location"

Display the records sorted in ascending order based on customer first name.

2 rows

```
select
ap.profile_id,ap.first_name,substring_index(substring_index(ap.address,',',-1),
'-',1)
as base_location,count(at.ticket_id) as No_of_Tickets from
air_passenger_profile ap join air_ticket_info at
on at.profile_id=ap.profile_id
where substring_index(substring_index(ap.address,',',-1),'-',1) ='kochi'
group by ap.profile_id order by first_name
```

PROFILE_I D	FIRST_NAM E	BASE_LOCATIO N	NO_OF_TICKETS
PFL003	AMIT	KOCHI	3
PFL006	RAMESH	KOCHI	4

17.Write a query to display the flight_id, from_location, to_location, number of Services as "No_of_Services" offered in the month of May.

Hint:The number of services can be calculated from the number of scheduled departure dates of the flight

Display the records sorted in ascending order based on flight id.

11 rows

select af.flight_id,af.from_location,af.to_location,count(afd.flight_departure_date) as No_of_Services from air_flight af join air_flight_details afd on af.flight_id=afd.flight_id where month(afd.flight_departure_date)='05' group by flight_id order by flight_id;

FLIGHT_ID	FROM_LOCATION	TO_LOCATION	NO_OF_SERVICES
1011	HYDERABAD	CHENNAI	2
1262	HYDERABAD	CHENNAI	2
1265	CHENNAI	HYDERABAD	3
289	CHENNAI	косні	4
3004	BENGALURU	CHENNAI	3
3013	CHENNAI	BENGALURU	4
3148	CHENNAI	BENGALURU	2
3241	CHENNAI	КОСНІ	3
3244	KOCHI	CHENNAI	2
3307	BENGALURU	CHENNAI	4

916	CHENNAI	HYDERABAD	3

18. Write a query to display profile id, last name, mobile number and email id of passengers whose base location is chennai.

Display the records sorted in ascending order based on profile id.

2 rows

select profile_id,last_name,mobile_number,email_id from air_passenger_profile where substring_index(substring_index(address,',',-1),'-',1)='chennai' order by profile_id;

PROFILE_ID	LAST_NAME	MOBILE_NUMBER	EMAIL_ID
PFL001	SANKAR	9876543210	LATHA@GMAIL.COM
PFL005	KUMAR	9884416986	SIVA@GMAIL.COM
	1		

18. Write a query to display number of flights between 6.00 AM and 6.00 PM from chennai. Hint Use FLIGHT_COUNT as alias name.

1 row

select count(flight_id) as FLIGHT_COUNT from air_flight where departure_time between '6:00:00' and '18:00:00' and from_location='chennai';;

FLIGHT_COUNT
3

19. Write a query to display unique profile id, first name, email id and contact number of passenger(s) who travelled on flight with id 3148. Display the records sorted in ascending order based on first name.

2 rows

select distinct app.profile_id,app.first_name,app.email_id,app.mobile_number from air_passenger_profile app

join air_ticket_info ati on app.profile_id=ati.profile_id

where ati.flight_id= 3148 group by app.first_name order by app.first_name;

PROFILE_I D	FIRST_NAM E	EMAIL_ID	MOBILE_NUMBER
PFL002	ARUN	ARUN@AOL.COM	8094564243
PFL007	GAYATHRI	GAYATHRI@GMAIL.COM	8073245678

20.Write a query to display the flights available in Morning, AfterNoon, Evening & Night. The Query should display the Flight_Id, From_Location, To_Location, Departure_Time, time of service as "Time_of_Service".

Time of Service should be calculated as: From 05:00:01 Hrs to 12:00:00 Hrs - Morning, 12:00:01 to 18:00:00 Hrs - AfterNoon, 18:00:01 to 24:00:00 - Evening and 00:00:01 to 05:00:00 - Night

Display the records sorted in ascending order based on flight id.

11 rows

select flight_id,from_location,to_location,departure_time,
case when departure_time between '05:00:01' and '12:00:00' then 'Morning'
when departure_time between '12:00:01' and '18:00:00' then 'Afternoon'
when departure_time between '18:00:01' and '24:00:00' then 'Evening'
when departure_time between '00:00:01' and '05:00:00' then 'Night'
end as Time_of_Service
from air_flight order by flight_id;

FLIGHT ID FROM LOCATION TO LOCATION DEPARTURE TIME TIME OF SERVICE 1011 CHENNAI **AFTERNOON** HYDERABAD 12:30:00 1262 HYDERABAD CHENNAL 06:00:00 MORNING 1265 CHENNAI HYDERABAD 21:25:00 **EVENING** 289 KOCHI CHENNAI 08:40:00 MORNING 3004 BENGALURU CHENNAI 09:05:00 MORNING 3013 CHENNAI BENGALURU 07:40:00 MORNING 3148 CHENNAI BENGALURU **EVENING** 20:15:00 3241 CHENNAI KOCHI 10:40:00 MORNING 3244 KOCHI CHENNAI 21:10:00 **EVENING** CHENNAI 3307 BENGALURU 18:45:00 **EVENING**

916	CHENNAI	HYDERABAD	19:55:00	EVENING

21.Please follow instructions given below.

Write a query to display flight id, departure date, flight type of all flights. Flight type can be identified based on the following rules: if ticket price is less than 3000 then 'AIR PASSENGER', ticket price between 3000 and less than 4000 'AIR BUS' and ticket price between 4000 and greater than 4000 then 'EXECUTIVE PASSENGER'. Hint use FLIGHT_TYPE as alias name.

Display the records sorted in ascendeing order based on flight_id and then by departure date.

36 rows

select flight_id,flight_departure_date,

case when price<3000 then 'AIR PASSENGER'

when price>=3000 and price<=4000 then 'AIR BUS'

when price>4000 then 'EXECUTIVE PASSENGER'

end as FLIGHT_TYPE from air_flight_details order by flight_id,flight_departure_date;

FLIGHT_ID	FLIGHT_DEPARTURE_DAT E	FLIGHT_TYPE
1011	2013-04-30	EXECUTIVE PASSENGER
1011	2013-05-09	EXECUTIVE PASSENGER
1011	2013-05-21	AIR BUS
1262	2013-05-20	AIR BUS
1262	2013-05-29	AIR BUS

1265	2013-04-29	EXECUTIVE PASSENGER
1265	2013-05-14	AIR BUS
1265	2013-05-18	EXECUTIVE PASSENGER
1265	2013-05-29	AIR PASSENGER
289	2013-05-06	AIR BUS
289	2013-05-08	AIR BUS
289	2013-05-20	AIR BUS
289	2013-05-31	AIR PASSENGER
3004	2013-05-02	AIR BUS
3004	2013-05-19	AIR BUS
3004	2013-05-24	AIR BUS
3013	2013-05-04	AIR BUS
3013	2013-05-06	AIR BUS
3013	2013-05-22	AIR BUS

3013	2013-05-30	AIR PASSENGER
3148	2013-05-16	AIR BUS
3148	2013-05-21	AIR BUS
3148	2013-06-01	AIR PASSENGER
3241	2013-05-01	EXECUTIVE PASSENGER
3241	2013-05-13	AIR BUS
3241	2013-05-27	AIR PASSENGER
3244	2013-05-03	AIR BUS
3244	2013-05-15	AIR BUS
3307	2013-05-03	AIR BUS
3307	2013-05-03	AIR BUS
3307	2013-05-23	AIR BUS
3307	2013-05-29	AIR BUS
916	2013-04-28	EXECUTIVE

		PASSENGER
916	2013-05-01	EXECUTIVE PASSENGER
916	2013-05-06	AIR BUS
916	2013-05-12	AIR BUS

22.Please follow instructions given below.

Write a query to display the credit card type and no of credit cards used on the same type. Display the records sorted in ascending order based on credit card type.

Hint: Use CARD_COUNT AS Alias name for no of cards.

3 rows

SELECT CARD_TYPE,count(card_type) CARD_COUNT FROM air_credit_card_details group by CARD_TYPE order by CARD_TYPE;

CARD_TYPE	CARD_COUNT
GOLD	3
INSTANT	2
PLATINIUM	3

23.Please follow instructions given below.

Write a Query to display serial no, first name, mobile number, email id of all the passengers who holds email address from gmail.com.

The Serial No will be the last three digits of profile ID.

Hint: Use SERIAL_NO as Alias name for serial number.

Display the records sorted in ascending order based on name.

6 rows

select substring(profile_id,4) as SERIAL_NO,first_name,mobile_number,email_id from air_passenger_profile where email_id like '%gmail.com' order by first_name;

SERIAL_NO	FIRST_NAME	MOBILE_NUMBER	EMAIL_ID
004	AARTHI	9595652530	AARTHI@GMAIL.COM
008	GANESH	9375237890	GANESH@GMAIL.COM
007	GAYATHRI	8073245678	GAYATHRI@GMAIL.COM
001	LATHA	9876543210	LATHA@GMAIL.COM
006	RAMESH	9432198760	RAMESH@GMAIL.COM
005	SIVA	9884416986	SIVA@GMAIL.COM

24.Please follow instructions given below.

Write a query to display the flight(s) which has least number of services in the month of May. The Query should fetch flight_id, from_location, to_location, least number of Services as "No_of_Services" Hint:

Number of services offered can be calculated from the number of scheduled departure dates of a flight

If there are multiple flights, display them sorted in ascending order based on flight id.

4 rows

select af.flight_id,af.from_location,af.to_location,count(afd.flight_departure_date) as

No_of_Services from air_flight af join air_flight_details afd on

af.flight_id=afd.flight_id where month(afd.flight_departure_date)='05' group by af.flight_id

having count(afd.flight_departure_date)

<= all (select count(afd.flight_departure_date) from air_flight af join air_flight_details afd on

af.flight_id=afd.flight_id where month(afd.flight_departure_date)='05' group by af.flight_id)

order by af.flight_id;

LIGHT_I D	FROM_LOCATION	TO_LOCATION	NO_OF_SERVICES
1011	HYDERABAD	CHENNAI	2
1262	HYDERABAD	CHENNAI	2
3148	CHENNAI	BENGALURU	2
3244	KOCHI	CHENNAI	2

25.Please follow instructions given below.

Write a query to display the number of flights flying from each location. The Query should display the from location and the number of flights to other locations as "No_of_Flights".

Hint: Get the distinct from location and to location.

Display the records sorted in ascending order based on from location.

4 rows

select distinct from location, count (to location) as No of Flights from

```
air_flight
group by from location order by from location;
```

FROM_LOCATION	NO_OF_FLIGHTS
BENGALURU	2
CHENNAI	6
HYDERABAD	2
КОСНІ	1

26.Please follow instructions given below.

Write a query to display the number of passengers traveled in each flight in each scheduled date. The Query should display flight_id,from_location,To_location, flight_departure_date and the number of passengers as "No_of_Passengers".

Hint: The Number of passengers inclusive of all the tickets booked with single profile id.

Display the records sorted in ascending order based on flight id and then by flight departure date.

9 rows

select af.flight_id,af.from_location,af.to_location,ati.flight_departure_date,count(ati.ticket_id) as No_of_Passengers from air_flight af join air_ticket_info ati on af.flight_id=ati.flight_id group by af.flight_id,ati.flight_departure_date order by af.flight_id,ati.flight_departure_date;

flight_id	from_location	to_location	flight_departure_date	No_of_Passengers
1011	HYDERABAD	CHENNAI	2013-05-09	3
1262	HYDERABAD	CHENNAI	2013-05-20	1
1265	CHENNAI	HYDERABAD	2013-04-29	1
1265	CHENNAI	HYDERABAD	2013-05-29	1
3004	BENGALURU	CHENNAI	2013-05-02	3
3148	CHENNAI	BENGALURU	2013-05-21	1
3148	CHENNAI	BENGALURU	2013-06-01	3
3244	KOCHI	CHENNAI	2013-05-03	7
916	CHENNAI	HYDERABAD	2013-05-06	2

27.Please follow instructions given below.

Write a query to display the flight details in which more than 10% of seats have been booked. The query should display Flight_Id, From_Location, To_Location, Total_Seats, seats booked as "No_of_Seats_Booked".

Display the records sorted in ascending order based on flight id and then by No_of_Seats_Booked.

1 row

select af.flight_id,af.from_location,af.to_location,af.total_seats,(af.total_seats-afd.available_seats)

as No_of_Seats_Booked from air_flight af join air_flight_details afd on af.flight_id=

afd.flight_id where (af.total_seats-afd.available_seats)>(af.total_seats*0.1) group by flight_id order by flight_id,No_of_Seats_Booked;

FLIGHT_ID	FROM_LOCATION	TO_LOCATION	TOTAL_SEATS	NO_OF_SEATS_BOOKED
3244	KOCHI	CHENNAI	50	7

28.Please follow instructions given below.

Write a query to display the Flight_Id, Flight_Departure_Date, From_Location,To_Location and Duration

of all flights which has duration of travel less than 1 Hour, 10 Minutes.

Display the records sorted in ascending order based on flight id and then by flight departure date.

14 rows

select af.flight_id,afd.flight_departure_date,af.from_location,af.to_location,af.duration from air_flight af join air_flight_details afd on af.flight_id=afd.flight_id where duration<'1:10:00' group by af.flight_id,afd.flight_departure_date order by af.flight_id,afd.flight_departure_date;

FLIGHT_ID	FLIGHT_DEPARTURE_DAT E	FROM_LOCATION	TO_LOCATION	DURATION
3013	2013-05-04	CHENNAI	BENGALURU	01:05:00
3013	2013-05-06	CHENNAI	BENGALURU	01:05:00
3013	2013-05-22	CHENNAI	BENGALURU	01:05:00
3013	2013-05-30	CHENNAI	BENGALURU	01:05:00
3148	2013-05-16	CHENNAI	BENGALURU	01:05:00
3148	2013-05-21	CHENNAI	BENGALURU	01:05:00
3148	2013-06-01	CHENNAI	BENGALURU	01:05:00
3307	2013-05-03	BENGALURU	CHENNAI	01:00:00

3307	2013-05-23	BENGALURU	CHENNAI	01:00:00
3307	2013-05-29	BENGALURU	CHENNAI	01:00:00
916	2013-04-28	CHENNAI	HYDERABAD	01:05:00
916	2013-05-01	CHENNAI	HYDERABAD	01:05:00
916	2013-05-06	CHENNAI	HYDERABAD	01:05:00
916	2013-05-12	CHENNAI	HYDERABAD	01:05:00

29.Please follow instructions given below.

Write a query to display the flight_id, from_location,to_location,number of services as "No_of_Services", average ticket price as "Average_Price" whose average ticket price is greater than the total average ticket cost of all flights. Order the result by lowest average price.

<mark>4 rows</mark>

select af.flight_id,af.from_location,af.to_location,count(afd.flight_departure_date) as No_of_Services, avg(afd.price) as Average_Price from air_flight af join air_flight_details afd on af.flight_id=afd.flight_id group by af.flight_id having avg(afd.price)> (select avg(afd.price) from air_flight_details afd) order by afd.price;

FLIGHT_ID	FROM_LOCATION	TO_LOCATION	NO_OF_SERVICES	AVERAGE
1262	HYDERABAD	CHENNAI	2	3444.5000
1265	CHENNAI	HYDERABAD	4	3499.2500

916	CHENNAI	HYDERABAD	4	3699.5000
1011	HYDERABAD	CHENNAI	3	4108.3333