

DAY-3 ASSIGNMENT(30-12-2025)

```

1) select flight_id,from_location,to_location,month_name,avg(price) as average_price
from ( select f.flight_id,
f.from_location,
f.to_location, datename(month,fd.flight_departure_date)
as month_name, month(fd.flight_departure_date) as
month_no, fd.price from air_flight f, air_flight_details
fd where f.flight_id=fd.flight_id
and f.airline_name='indigo'
) t
group by
flight_id,from_location,to_location,month_name,month_no
order by flight_id asc,month_no asc;

```

The screenshot shows a database interface with a results grid and a status bar at the bottom.

	flight_id	from_location	to_location	month_name	average_price
1	f101	hyderabad	delhi	January	4500.000000
2	f107	pune	goa	January	3900.000000
3	f110	delhi	jaipur	January	2800.000000

Query executed successfully. | praveen (16.0 RTM)

2)

```

SELECT p.profile_id,p.first_name,p.address,count(t.ticket_id) as no_of_tickets
from air_passenger_profile p join
air_ticket_info t on
p.profile_id=t.profile_id join air_flight f
on t.flight_id=f.flight_id where
f.airline_name='ABC Airlines' group by
p.profile_id,
p.first_name,
p.address having
count(t.ticket_id)=( select
min(ticket_count)
from( select count(t2.ticket_id) as
ticket_count from air_ticket_info t2 join
air_flight f2 on t2.flight_id=f2.flight_id
where f2.airline_name='ABC Airlines'
group by t2.profile_id
)x
)
order by p.first_name asc;

```

	profile_id	first_name	address	no_of_tickets
1	p009	meena	kochi	1
2	p010	ravi	vijayawada	1
3	p011	suresh	nellore	1

3)

```

select
    t.from_location,
    t.to_location,
    t.month_name,  count(t.flight_departure_date)
as no_of_services from (
    select
        f.from_location,
        f.to_location,      datename(month,
fd.flight_departure_date) as month_name,
month(fd.flight_departure_date) as month_no,
        fd.flight_departure_date
    from air_flight f   join
air_flight_details fd
        on f.flight_id = fd.flight_id
) t
group by
    t.from_location,
    t.to_location,
    t.month_name,
    t.month_no order
by
    t.from_location,
    t.to_location,
    t.month_no;

```

Results Messages

	from_location	to_location	month_name	no_of_services
1	bengaluru	kolkata	January	1
2	chennai	bangalore	April	1
3	chennai	hyderabad	February	1
4	chennai	hyderabad	April	1
5	chennai	jaipur	January	1
6	delhi	jaipur	January	1
7	delhi	pune	January	1
8	hyderabad	delhi	January	1
9	hyderabad	mumbai	January	1
10	hyderabad	mumbai	March	1
11	hyderabad	mumbai	June	1
12	mumbai	chennai	January	1
13	mumbai	goa	May	1
14	pune	goa	January	1

Query executed successfully. praveen (16.0 RTM) PRAVEEN\PRAVEEN (72)

4) SELECT p.profile\_id, p.first\_name, p.address, count(t.ticket\_id) as no\_of\_tickets  
 from air\_passenger\_profile p join  
 air\_ticket\_info t on  
 p.profile\_id = t.profile\_id join air\_flight f  
 on t.flight\_id = f.flight\_id where  
 f.airline\_name = 'ABC Airlines' group by  
 p.profile\_id,  
 p.first\_name,  
 p.address having  
 count(t.ticket\_id) = ( select  
 max(ticket\_count)  
 from ( select count(t2.ticket\_id) as  
 ticket\_count from air\_ticket\_info t2 join  
 air\_flight f2 on t2.flight\_id = f2.flight\_id  
 where f2.airline\_name = 'ABC Airlines'  
 group by t2.profile\_id  
 )x  
 )  
 order by p.first\_name asc;

Results Messages

	profile_id	first_name	address	no_of_tickets
1	p008	kiran	ahmedabad	2

5)  
 select  
 s.profile\_id,  
 s.first\_name,  
 s.last\_name,

```

s.flight_id,
s.departure_date,
count(s.ticket_id) as no_of_tickets
from (
select
    p.profile_id,
    p.first_name,
    p.last_name,
    t.flight_id,
    t.flight_departure_date as departure_date,
    t.ticket_id   from
air_ticket_info t   join
air_passenger_profile p      on
p.profile_id = t.profile_id  join
air_flight f      on t.flight_id =
f.flight_id   where
    f.from_location = 'chennai'
and f.to_location = 'hyderabad'
) s
group by
    s.profile_id,
    s.first_name,
    s.last_name,
    s.flight_id,
    s.departure_date order
by
    s.profile_id asc,
    s.flight_id asc,
    s.departure_date asc;

```

	profile_id	first_name	last_name	flight_id	departure_date	no_of_tickets
1	p008	kiran	patel	f108	2025-02-05	1
2	p009	meena	nair	f108	2025-04-15	1

6) with flightcte as (

```

select
    f.flight_id,
    f.from_location,
    f.to_location,      fd.price
as ticket_price,
fd.flight_departure_date   from
air_flight f   join
air_flight_details fd      on

```

```
f.flight_id = fd.flight_id ) select
flight_id, from_location,
to_location, ticket_price
from flightcte where
month(flight_departure_date) =
4;
```

The screenshot shows a database interface with a results grid. The grid has four columns: flight\_id, from\_location, to\_location, and ticket\_price. The first row contains values f108, chennai, hyderabad, and 4500.00 respectively. The second row contains values f112, chennai, bangalore, and 3100.00 respectively.

	flight_id	from_location	to_location	ticket_price
1	f108	chennai	hyderabad	4500.00
2	f112	chennai	bangalore	3100.00

7) select  
s.flight\_id,  
s.from\_location,  
s.to\_location,  
avg(s.price) as avg\_price  
from (  
select  
f.flight\_id,  
f.from\_location,  
f.to\_location, fd.price  
from air\_flight f join  
air\_flight\_details fd on  
f.flight\_id = fd.flight\_id  
) s  
group by  
s.flight\_id,  
s.from\_location,  
s.to\_location order  
by  
s.flight\_id,  
s.from\_location,  
s.to\_location;

Results Messages

	flight_id	from_location	to_location	avg_price
1	f101	hyderabad	delhi	4500.000000
2	f102	mumbai	chennai	5200.000000
3	f103	bengaluru	kolkata	6100.000000
4	f104	delhi	pune	4300.000000
5	f105	hyderabad	mumbai	4800.000000
6	f106	chennai	jaipur	5500.000000
7	f107	pune	goa	3900.000000
8	f108	chennai	hyderabad	4350.000000
9	f109	hyderabad	mumbai	5750.000000
10	f110	delhi	jaipur	2800.000000
11	f111	mumbai	goa	3800.000000
12	f112	chennai	bangalore	3100.000000

8) select distinct

```
s.profile_id,
    s.first_name + ' ' + s.last_name as customer_name,
    s.address from
(
    select
        p.profile_id,
        p.first_name,
        p.last_name,
        p.address,
        f.from_location,
        f.to_location   from
air_passenger_profile p  join
air_ticket_info t      on
p.profile_id = t.profile_id  join
air_flight f
    on t.flight_id = f.flight_id
) s
where
    s.from_location = 'chennai'
and s.to_location = 'hyderabad'
order by
    s.profile_id;
```

Results Messages

	profile_id	customer_name	address
1	p008	kiran patel	ahmedabad
2	p009	meena nair	kochi

```

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

select max(ticket_count) from
(
select count(ticket_id) as ticket_count
from air_ticket_info group by
profile_id
)x
)
order by profile_id asc;

```

The screenshot shows a database interface with a 'Results' tab selected. A table is displayed with one column labeled 'profile\_id'. The data consists of two rows: row 1 has value 'p008' and row 2 has value 'p009'. Below the table, a message bar indicates 'Query executed successfully.' and shows the user 'praveen (16.0 RTM)'.

profile_id
1 p008
2 p009

10)

```

select
f.flight_id,
f.from_location,
f.to_location,
t.no_of_tickets from
air_flight f
join (
select
flight_id, count(ticket_id)
as no_of_tickets from
air_ticket_info
group by flight_id
)t
on f.flight_id = t.flight_id where
f.airline_name = 'ABC Airlines' and
t.no_of_tickets >= 1 order by
f.flight_id asc;

```

Results Messages

	flight_id	from_location	to_location	no_of_tickets
1	f108	chennai	hyderabad	2
2	f109	hyderabad	mumbai	2
3	f112	chennai	bangalore	1

✔ Query executed successfully.

🔒 praveen (16.0 RTM)