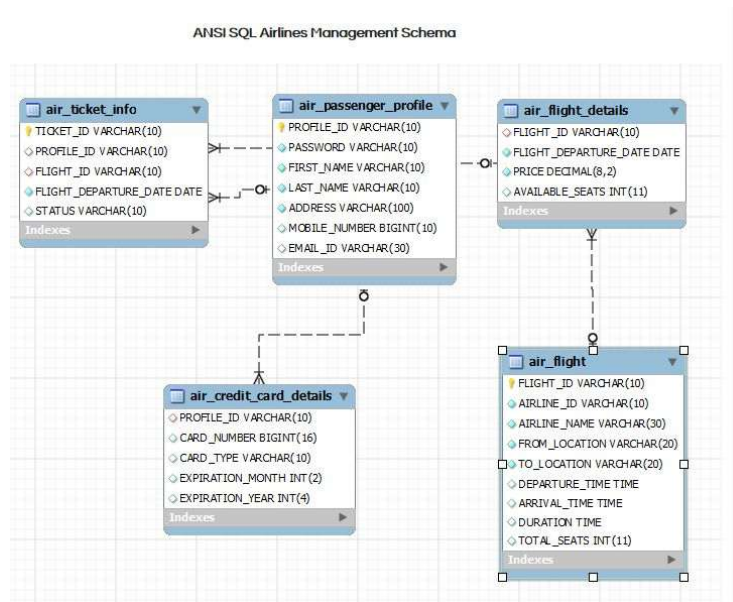


## Day 3 - Daily Exercises – SQL Server

Date: 30-12-2025 → Day 3 – Subqueries, Set Operators & CTEs



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

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.
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.
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.