**1Q**. Write a query to display profile id of passenger who booked minimum number of tickets.

**2Q**. 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 as "Actual\_Departure\_Time", actual arrival time as "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.

**3Q.** 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

**4Q**. Write a query to display flight id,departure date,flight type of all flights. Flight type can be identified 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.

**5Q.** Write a query to display flight id,from location, to location and price of flights whose departure is in the month of april

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| 6Q. Write a query to display the Flight\_Id, Flight\_Departure\_Date, From\_Location,To\_Location and Duration which has duration of travel less than 1 Hour, 10 Minutes |
| 7Q. Write a query to display the credit card type and no of credit cards used on the same type. Hint: Use CARD\_COUNT AS Alias name for no of cards. |
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9Q. Write a query to display profile id of passenger who booked maximum number of tickets

10Q. 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.

11Q. Write a query to find the number of tickets as “No\_of\_Tickets” (alias name) 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”

12 Q. Write a query to display the flight\_id, from\_location, to\_location, number of Services as “No\_of\_Services” (alias name) offered in the month of May. Hint:The number of services can be calculated from the number of scheduled departure dates of the flight

13Q. Write a query to display unique profile id,first name , email address and contact number of passengers who traveled on flight with id 3148.

14Q. Write a query to find 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” (alias name)&nbsp;and the cost as “Total\_Price” (alias name). Order the result by Highest Total Price Hint:The number of services can be calculated from the number of scheduled departure dates of the flight

15Q. Write a query to find the number of passengers traveled 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” (alias name). Hint: The Number of passengers inclusive of all the tickets booked with single profile id.

16Q. Write a query to find the customer who has booked the ticket with the From\_Location different from their Base\_Location. The Query should display flight\_id,profile\_id,customer\_name,base\_location and from\_location

Hint: Use string functions to get the city value as Base\_location from customer address. Use alias name as “Base\_Location”.Combine First Name and Last Name with a comma in between and give alias name as “Customer\_Name”. Use distinct to display unique records

18 Q. Write a query to find the number of flights flying from each location. The Query should display the starting location as "Location", number of flights to other locations as “No\_of\_Flights”. Hint: Get the distinct starting location from the From\_Location &amp; To\_Location.

19Q. Write a query to find 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” (alias name).

20Q. Write a query to find the customers who have booked tickets from Chennai to Hyderabad. The query should display profile\_id, customer\_name (combine first\_name &amp; last\_name with comma in b/w), address of the customer.&nbsp; <div> <br> </div> <div> Hint: Query should fetch unique customers irrespective of multiple tickets booked. Use " <span style="font-size: 10pt;">customer\_name" as alias name for displaying&nbsp;</span> <span style="font-size: 10pt;">customer\_name.</span> </div>

21Q. Write a query to find the customers who has 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” (alias name).

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23Q. Write a query to display the number of employees who get salary less than 50000, number of employees who get salary greater than 50000 and less than or equal to 100000 and number of employees who get greater than 100000.

Hint: Use "less" as alias name for displaying the number of employees who get salary less than 50000, "moderate" as alias name for displaying number of employees who get salary greater than 50000 and less than or equal to 100000 and "high" as alias name for displaying the number of employees who get greater than 100000.<div><br></div><div>Example: Assume</div><div>less &nbsp;&nbsp;<span style="font-size: 10pt;">moderate &nbsp;&nbsp;</span><span style="font-size: 10pt;">high</span></div><div><span style="font-size: 10pt;">5 &nbsp; &nbsp; &nbsp; 8 &nbsp; &nbsp; &nbsp; &nbsp; &nbsp; &nbsp; &nbsp; 6</span></div>

24Q. Write a query to find the number of passengers traveled on each flight on each scheduled date and total price of the tickets booked. The Query should display flight\_id, from\_location, to\_location,flight\_departure\_date,number of passengers as “No\_of\_Passengers”&nbsp;(alias name), Total Price of the tickets booked as “Total\_Price”&nbsp;(alias name). Hint: The Number of passengers inclusive of all the tickets booked with single profile id. "Total\_Price" should be calculated as (No\_of\_Passengers \* price of single ticket

25Q. Write a query to find the customers who are travelling together on the same flight. The Query should display profile\_id, first\_name,last\_name,flight\_id, flight\_departure\_date ,from\_location and to\_location. The result should be sorted based on the flight id and flight departure date. Hint: Distinct profile id should be displayed irrespective of multiple tickets booked.Display the result only if more than one customers travelling on the same flight. For Eg: If the profile ID P1 &amp; P2 booked the ticket on flight F1 on May 3rd and 10th respectively then do not display P1 &amp; P2. If both P1 &amp; P2 booked the ticket on flight F1 on May 12th (same day) then display P1 &amp; P2 as they will travel together

26Q. Write a query to find the flights available in Morning, After Noon, Evening &amp; 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

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| 27Q. |
| Write a query to find the flight 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 |