**AIRLINE FLIGHT :-**

* **Total Number of Bookings for Each Flight**

SELECT flight\_id, COUNT(\*) AS total\_bookings

FROM Bookings

GROUP BY flight\_id;

* **List All Passengers Who Have Booked Flight 'AI202'**

SELECT p.first\_name, p.last\_name

FROM Passengers p

JOIN Bookings b ON p.passenger\_id = b.passenger\_id

JOIN Flights f ON b.flight\_id = f.flight\_id

WHERE f.flight\_number = 'AI202';

* **Total Flights Departing from 'JFK'**

SELECT COUNT(\*) AS total\_flights

FROM Flights f

JOIN Airports a ON f.departure\_airport\_id = a.airport\_id

WHERE a.airport\_name LIKE '%John F. Kennedy%';

* **Flight with Most Passengers Booked**

SELECT flight\_id, COUNT(\*) AS passenger\_count

FROM Bookings

GROUP BY flight\_id

ORDER BY passenger\_count DESC

LIMIT 1;

* **Total Payment for All Confirmed Bookings**

SELECT SUM(p.amount) AS total\_payment

FROM Payments p

JOIN Bookings b ON p.booking\_id = b.booking\_id

WHERE b.status = 'Confirmed';

* **Flights Departing After '2024-06-01 10:00:00'**

SELECT \*

FROM Flights

WHERE departure\_time > '2024-06-01 10:00:00';

* **Number of Bookings in Each Seat Class**

SELECT seat\_class, COUNT(\*) AS total\_bookings

FROM Bookings

GROUP BY seat\_class;

* **List All Cancelled Flights**

SELECT \*

FROM Flights

WHERE status = 'Cancelled';

* **Average Payment for Confirmed Bookings**

SELECT AVG(p.amount) AS avg\_payment

FROM Payments p

JOIN Bookings b ON p.booking\_id = b.booking\_id

WHERE b.status = 'Confirmed';

* **Total Bookings & Payments Per Passenger**

SELECT

p.passenger\_id,

p.first\_name,

p.last\_name,

COUNT(b.booking\_id) AS total\_bookings,

SUM(pm.amount) AS total\_payment

FROM Passengers p

JOIN Bookings b ON p.passenger\_id = b.passenger\_id

LEFT JOIN Payments pm ON b.booking\_id = pm.booking\_id

GROUP BY p.passenger\_id, p.first\_name, p.last\_name;