SQL Questions & Answers

Create Database Ola;

Use Ola;

#1. Retrieve all successful bookings:

Create View Successful_Bookings As

SELECT * FROM bookings WHERE Booking_Status = 'Success';

#2. Find the average ride distance for each vehicle type:

Create View ride_distance_for_each_vehicle As

SELECT Vehicle_Type, AVG(Ride_Distance) as avg_distance

FROM bookings GROUP BY Vehicle_Type;

#3. Get the total number of cancelled rides by customers:

Create View cancelled_rides_by_customers As

SELECT COUNT*() FROM bookings*

WHERE Booking_Status = 'cancelled by Customer';

#4. List the top 5 customers who booked the highest number of rides:

Create View Top_5_Customers As

SELECT Customer_ID, COUNT(Booking_ID) as total_rides FROM bookings

GROUP BY Customer_ID

ORDER BY total_rides DESC LIMIT 5;

#5. Get the number of rides cancelled by drivers due to personal and car-related issues:

Create View Rides_cancelled_by_Drivers_P_C_Issues As

SELECT COUNT() FROM bookings

WHERE cancelled_Rides_by_Driver = 'Personal & Car related issue';

#6. Find the maximum and minimum driver ratings for Prime Sedan bookings:

Create View Max_Min_Driver_Rating As

SELECT MAX(Driver_Ratings) as max_rating,

MIN(Driver_Ratings) as min_rating

FROM bookings

WHERE Vehicle_Type = 'Prime Sedan';

#7. Retrieve all rides where payment was made using UPI:

Create View UPI_Payment As

SELECT * FROM bookings

WHERE Payment_Method = 'UPI';

#8. Find the average customer rating per vehicle type:

Create View AVG_Cust_Rating As

SELECT Vehicle_Type, AVG(Customer_Rating) as avg_customer_rating

FROM bookings

GROUP BY Vehicle_Type;

#9. Calculate the total booking value of rides completed successfully:

Create View total_successful_ride_value As

SELECT SUM(Booking_Value) as total_successful_ride_value

FROM bookings

WHERE Booking_Status = 'Success';

#10. List all incomplete rides along with the reason:

```
Create View Incomplete_Rides_Reason As

SELECT Booking_ID, Incomplete_Rides_Reason

 FROM bookings

 WHERE Incomplete_Rides = 'Yes';
```

Retrieve All Answers

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Select * from Max_Min_Driver_Rating;
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Select * from UPI_Payment;
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Select * from total_successful_ride_value;
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