1.Retrieve the names and contact details of all drivers with a rating of 4.5 or higher

SELECT CONCAT(firstname, ' ', lastname) AS name, phone FROM drivers

WHERE rating >= 4.5;

2. Find the total number of rides completed by each driver

SELECT d.firstname, d.lastname, COUNT(r.DriverId) AS total\_rides

FROM drivers d JOIN rides r ON d.DriverId = r.DriverId

GROUP BY d.DriverId, d.firstname, d.lastname;

3. List all riders who have never booked a ride.

SELECT r.RiderId, r.firstname, r.lastname FROM riders r

LEFT JOIN rides ri ON r.RiderId = ri.RiderId

WHERE ri.RiderId IS NULL;

4. Calculate the total earnings of each driver from completed rides.

SELECT d.firstname, d.lastname, SUM(r.fare) AS total\_earnings

FROM drivers d JOIN rides r ON d.DriverID = r.DriverId

WHERE r.RideStatus ='completed'

GROUP BY d.DriverId, d.firstname, d.lastname;

5. Retrieve the most recent ride for each rider.

SELECT r.\* FROM rides r WHERE r.ridedate = (SELECT MAX(ridedate)

FROM rides WHERE RiderId = r.RiderId);

6. Count the number of rides taken in each city

SELECT city, COUNT(\*) AS total\_rides FROM riders GROUP BY city;

7. List all rides where the distance was greater than 20 km.

SELECT \* FROM rides WHERE distance > 20;

8. Identify the most preferred payment method.

SELECT paymentmethod,COUNT(paymentmethod) AS method\_count

FROM payments GROUP BY paymentmethod

ORDER BY method\_count DESC LIMIT 1;

9.Find the top 3 highest-earning drivers.

SELECT d.firstname,d.lastname,r.DriverId,SUM(r.fare) AS total\_earnings

FROM rides r JOIN drivers d ON r.DriverId = d.DriverId

GROUP BY r.DriverId, d.firstname,d.lastname

ORDER BY total\_earnings DESC LIMIT 3;

10.Retrieve details of all cancelled rides along with the rider's and driver's names

SELECT r.RideId,r.RideStatus,concat(rd.FirstName," ",rd.LastName) As Ridename, concat( d.firstname," ",d.lastname) As driver\_name

FROM rides r JOIN riders rd ON r.RiderId = rd.RiderId

JOIN drivers d ON r.DriverId = d.DriverId

WHERE r.RideStatus = 'Cancelled';