Retrieve the notifications messages and their ID:

select \* from notifications;

Aggregate:

Retrieve the count of all rides:

SELECT COUNT(\*) AS RideCount FROM Ride;

Inner join:

Retrieve the details of all rides that have been booked by students:

sqlCopy code

SELECT \* FROM Ride INNER JOIN book ON Ride.R\_ID = book.R\_ID;

Outer join:

Retrieve the details of all drivers and their assigned vehicles, even if they don't have any assigned vehicle:

SELECT \* FROM Driver

LEFT OUTER JOIN assign ON Driver.D\_ID = assign.D\_ID;

nested query to retrieve the names of all students who have pre-booked a ride in a specific ride type

SELECT Sname

FROM Student

WHERE S\_ID IN (

SELECT S\_ID

FROM book

INNER JOIN Ride ON book.R\_ID = Ride.R\_ID

WHERE R\_type = 'pre-booked'

);

=ALL/>ANY/Exists/Not Exists:

to retrieve the details of all rides that have at least one pre-booking:

SELECT \*

FROM Ride

WHERE EXISTS (

SELECT 1

FROM book

WHERE book.R\_ID = Ride.R\_ID AND Ride.R\_type = 'pre-booked'

);

Set operations (Union):

to retrieve a list of all the destinations of rides that have been taken by either students or drivers:

SELECT R\_dest AS Destination

FROM Ride

INNER JOIN Ride\_History ON Ride.R\_ID = Ride\_History.R\_ID

UNION

SELECT RH\_dest AS Destination

FROM Ride\_History;

Subqueries in Select and From:

to retrieve the total number of rides taken by each student:

SELECT Student.S\_ID, Student.Sname,

(SELECT COUNT(\*)

FROM Ride\_History

WHERE Ride\_History.S\_ID = Student.S\_ID) AS Total\_Rides

FROM Student;