

## DBMS Assignment

### Road Accident Management System

a. List the road that has maximum number of accidents in Jan 2023

```
145 • SELECT RoadID, COUNT(*) AS AccidentCount
146 FROM AccidentRecords
147 WHERE DateTime >= '2023-01-01' AND DateTime < '2023-02-01'
148 GROUP BY RoadID
149 ORDER BY AccidentCount DESC
150 LIMIT 1;
151
```

Result Grid | Filter Rows:  | Export: | Wrap Cell Content: | Fetch re

RoadID	AccidentCount
R001	1

b. List the vehicles that created accident on Feb 22 2023 at “Kollam ByPass”

```
152 • SELECT DISTINCT v.*
153 FROM Vehicle v
154 JOIN VehiclePersonMapping vpm ON v.VehicleID = vpm.VehicleID
155 JOIN AccidentRecords ar ON vpm.VehiclePersonID = ar.VehiclePersonID
156 JOIN Location l ON ar.LocationID = l.LocationID
157 WHERE ar.DateTime >= '2023-02-22 00:00:00' AND ar.DateTime < '2023-02-23 00:00:00'
158 AND l.Area = 'Kollam Bypass';
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```

Result Grid | Filter Rows:  | Export: | Wrap Cell Content:

VehicleID	Type	License	Model
V001	Car	ABC123	Toyota Corolla