Quiz 3 SQL Key

Give SQL queries assuming the following relational schema:

Vehicle(VRN, Ma, Mo, Color)
Own(VRN, SSN)
Person (SSN, Name, Addr, Phone)

You have 8 minutes

Q1: Write an SQL query that returns the Name and Phone of all Persons owning a 'Ford'.

Answer   (others possible)
SELECT P.Name, P.Phone
FROM Vehicle V, Own O, Person P
WHERE V.Ma = 'Ford' AND V.VRN = O.VRN AND O.SSN = P.SSN;

Q2: Write a query that returns the VRN and Mo of any vehicle that isn't owned.

Possible answers

SELECT V.VRN, V.Mo FROM Vehicle V WHERE V.VRN NOT IN (SELECT O.VRN FROM Own O)

or (alternative answer)

SELECT V.VRN, V.Mo FROM Vehicle V
EXCEPT
SELECT V.VRN, V.Mo FROM Vehicle V, Own O WHERE V.VRN = O.VRN